

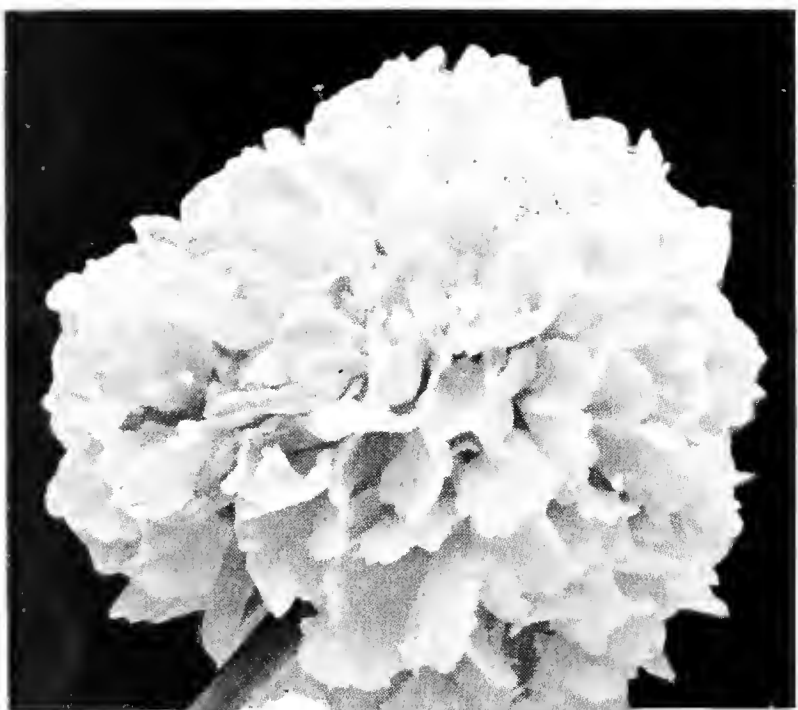
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Malcolm
more XML

NOVELTIES

Phlox, Salmon Glory
Scabiosa, Blue Moon
Marigold, Sunset Giant
(See Novelty Pages)



Spring Catalog

1929

**CHAAPPEL'S
SEED STORE
WILLIAMSPORT, PA.**





Rock Garden

Popular Flower Seeds

Each year the interest in flowers for garden and home decoration increases and more people turn to the growing of flowers for recreation and pleasure. Flower lovers will find a number of new varieties in our lists this year, as well as all of the old friends. We have devoted most of our attention to the "annuals." Among the annuals are flowers for every purpose, tall and low-growing, trailing and climbing, for cutting and for garden display.

NOVELTIES AND NEW VARIETIES

ASTER—WILT-RESISTANT, LIGHT BLUE
 ASTER—GOLDEN SHEAF
 ANTIRRHINUM—RUST PROOF
 CALENDULA—ORANGE SHAGGY
 CALENDULA—SUNSHINE
 COREOPSIS—DOUBLE SUNBURST
 COSMOS—SENSATION PINKIE
 DIGITALIS—THE SHIRLEY

DELPHINIUM—WHITE
 GAILLARDIA—THE DAZZLER
 GODETIA—DOUBLE AZALEA FLOWERED
 LARKSPUR—ROSAMOND
 LARKSPUR—BLUE BELL
 MARIGOLD—SUNRISE
 MORNING-GLORY—SCARLET O'HARA
 NASTURTIUM—GOLDEN GLEAM

NASTURTIUM—SCARLET GLEAM
 NASTURTIUM—GLEAM HYBRIDS
 PETUNIA—VELVET BALL
 PHLOX—SALMON GLORY
 VENIDIUM—FASTUOSUM
 ZINNIA—MIDGET
 ZINNIA—SCABIOSA FLOWERED
 ZINNIA—FANTASY

HARDY PERENNIALS—VARIETIES FOR ROCK GARDEN MARKED *

There are a number of perennial varieties that will bloom the first season if sown very early; other varieties should be sown later, giving a continual riot of color year after year. Your attention is called to these extra good perennials which are described in the following pages. Find them in the index.

**Alyssum saxatile compactum*
 **Aquilegia* (Columbine)
 **Armeria* (Sea Pink; Thrift)
 **Arabis* (Rock Cress)
 **Aubrietia* (Rainbow Rock Cress)
 **Anchusa*
 **Agrostemma*
 **Bellis* (English Daisy)
 **Canterbury Bells*
 **Carnation*, *Marguerite*
 **Carnation*, *Chabaud's Giant*
 **Cerastium* (Snow in Summer)

Chinese Lantern Plant
 **Coreopsis lanceolata grandiflora*
 **Daisy*, *Shasta*
 **Dahlia*, *Dwarf*
 **Delphinium* (Larkspur)
 **Digitalis* (Floxglove)
 **Dianthus* (Pinks)
 **Forget-me-not* (*Myosotis*)
 **Geum* *Mrs. Bradshaw*
 **Gaillardia* (Blanket Flower)
 **Gypsophila* (Baby's Breath)
 **Heuchera* (Coral Bell)

**Helianthemum* (Rock Rose)
 **Hollyhock*
 **Honesty* (Satin Flower)
 **Iberis* (Candytuft)
 **Lamb's Ear* (*Lantana*)
 **Linum* (Perennial Flax)
 **Lupine* (Russels Hybrids)
 **Nepeta Mussini*
 **Pentstemon*
 **Poppy*, *Oriental*
 **Pyrethrum roseum*
 **Rock Garden Mixture*

**Sweet William*
 **Statice* (Sea Lavender)
 **Sedum*
 **Saxifraga*
 **Salvia Blue*
 **Sidalcea*
 **Saponaria*
 **Tunica*
 **Viola*
 **Valeriana*
 **Wallflower*

ANNUALS—VARIETIES FOR THE ROCK GARDEN ARE MARKED *

**Antirrhinum*
 **Anchusa* *Dwf.*
 **Aretotis*
 **African Daisy*
 **Ageratum*
 **Alyssum*
 **Aster*
 **Baby's Breath*
 **Bachelor's Button*
 **Balsam*
 **Calendula*
 **California Poppy*
 **Calliopsis*

**Candytuft*
 **Cardinal Climber*
 **Carnation*
 **Castor Oil Bean*
 **Celosia*
 **Chrysanthemum*
 **Clarkia*
 **Cockscomb*
 **Cornflower*
 **Cosmos*
 **Dianthus*
 **Eschscholtzia*
 **Forget-me-not*

**Four O'Clock*
 **Godetia*
 **Gaillardia*
 **Gourds*
 **Gypsophila*
 **Helianthus*
 **Helichrysum*
 **Ilyacinth Bean*
 **Ice Plant*
 **Ipomea*
 **Kochia*
 **Kudzu Vine*
 **Lady Slipper*

**Lantana*
 **Larkspur*
 **Linum*
 **Lobelia*
 **Lupine*
 **Marigold*
 **Marvel of Peru*
 **Mexican Fire Bush*
 **Mignonette*
 **Morning Glory*
 **Nasturtium*
 **Nicotiana*
 **Nigella*

**Pansies*
 **Petunia*
 **Phlox Drummondii*
 **Pinks*
 **Poppy Annual*
 **Portulaca*
 **Rock Garden Mixture*
 **Salpiglossis*
 **Scarlet Sage*
 **Scabiosa*
 **Scarlet Runner*
 **Snow on The Mountain*

**Statice*
 **Stocks*
 **Strawflower*
 **Sunflower*
 **Sweet Peas*
 **Sweet Sultau*
 **Sweet Wivelsfield*
 **Verbena*
 **Venidium Fastuosum*
 **Wild Flower Garden*
 **Zinnias*

Most all of these are offered in 10 ct. pkts. Also in bulk at very low prices.

All varieties not designed by HP are annuals, blooming the first season.

Hardy Perennials are Designated by HP—Half-Hardy IHP

FERTILIZERS MAKE FLOWERS GROW AND BLOOM

Most annual flowers, due to their short season of growth and profuse bloom, are heavy feeders and require an abundance of a quick-acting fertilizer. Nitrate of Soda and Sheep Manure are particularly adapted for this class of plants. The Sheep Manure should be applied at the time of planting; the Nitrate of Soda several times during the season. The perennial plants are slower growers and for that reason the less active fertilizers, such as Bone Meal and our Special Garden Fertilizer, meet their requirements. Either should be applied at time of planting and supplementary applications should be made during the life of the plant. For prices see Page 41.

Look at the Index. It's easy to find what you want.

SEE LAST PAGE OF CATALOGUE



Morning Glory, Scarlett O' Hara



Russell's Lupines

Our Selection of The Newer Flower Seeds

THREE PAGES OF "ALL-AMERICAN" WINNERS AND OTHER FLOWERS OF
EXCEPTIONAL MERIT, NOVELTIES AND SPECIALTIES

The new flower specialties are offered because of their outstanding merits, and to promote
interest in the really worth while new varieties

ASTER—EARLY GIANT WILT-RESISTANT LIGHT BLUE

Award of Merit All America Selections 1939

The beautiful Light Blue big lacy flowers are 5 inches across on three foot branching stems having curled interlaced petals, with good stems. Excellent for cutting and keeping qualities. Pkt. 15 cts., 1/16 oz. 75 cts.

MARIGOLD—SUNRISE (New)

An early flowering Dixie Sunshine. The flowers are large and ball-shaped, brilliant golden yellow, on tall bushy plants. The colorful blooms remain in flower over a long period. Pkt. 25 cts., 1/16 oz. 75 cts.

NEW CORNFLOWER, JUBILEE GEM

Winner in All-America Selections for 1937

"Jubilee Gem" is indeed a precious "gem" that you will want in your flower garden. Its uniform, dwarf, compact plants, 10 to 15 inches high, are completely covered with their beautiful, rich blue, double flowers. It is very lovely indeed. Pkt. 15 cts., 1/16 oz. 50 cts.

MORNING GLORY—SCARLETT O'HARA

Gold Medal—All American Award Winner 1938-39

The long awaited Scarlett O'Hara is at last ready for presentation to a waiting garden World. The name, from the leading character in "GONE WITH THE WIND," America's most popular novel in many years. Scarlett O'Hara is truly a remarkable Ipomea, Camellian Red (Rich dark wine red). The flowers are of good size, 4 inches in diameter, freely produced on fast growing vines, continuing until frost and blooming longer in the afternoon than most Morning Glories. The absence of tendrils makes it advisable to help it start twining. Seed stock is short this year: Order early. Pkt. 25 cts., 1/4 oz. 50 cts.

RUSSELL LUPINES

Awarded Three Royal Horticultural Medals

The enormous well rounded, long, symmetrical flower spikes are 3 feet long, 15 inches in circumference, a mass of gorgeous color, closely set with individual flowers, an inch across, that somewhat resemble Sweet Peas. All flowers on the spike, from top to bottom, open at one time, showing no stem. Never any flower comparable. Flowers keep well when cut. The plants average 3½ to 4 feet high, with large attractive foliage. They come in a wide range of self color and Bi-color combinations. These new hardy Lupines start a new race of flowers that bid fair to become as popular as the Dahlia. Sold only in original packages. 10 seeds 15 cts., 24 seeds 25 cts.

COREOPSIS—DOUBLE SUNBURST

This hardy perennial always was a favorite for gardens and for cut-flowers; now this glorious double form has been perfected. Large double golden yellow flowers on long clean stems are produced all summer if not allowed to go to seed. Pkt. 10 cts., 1/8 oz. 30 cts.

AGERATUM—FAIRY PINK

Large, full light pink flower clusters freely produced on compact plants 5 to 6 inches high. Pkt. 15c., 1/16 oz. 75c.

DELPHINIUM—BLACKMORE LANGDON'S GOLD MEDAL STRAIN

The Delphinium seed produced by these famous English growers is admired wherever Delphiniums are grown. The seed we offer this season is Imported and in their original sealed packets. Pkt. 15 cts., 1/16 oz. 75 cts.

PHLOX—GIGANTEA SALMON GLORY

Silver Medal—All American Award 1939

Phlox Drummondii Salmon Glory is a pure Salmon-pink with a distinct Creamy-White Eye. Gigantic florets 1½ inches in diameter on 10 inch trusses. One of the outstanding novelties of the year. Pkt. 25 cts., 1/16 oz. 75 cts.



Marigold, Sunrise

MARIGOLD—SUNSET GIANTS (New)

A plant type that is a new departure in Marigolds, being showy, fragrant and of exceptional size. Flowers are loosely formed, full center, colored from light yellow to deep orange. Instead of the usual Marigold odor they have a definite sweet fragrance. Pkt. 15 cts., 1/16 oz. 75 cts.

COSMOS—SENSATION PINKIE (New)

An early single dwarf, large flower, delightful Rose Pink Cosmos, produced on long stems, the 5 inch flowers are favorites for cut flower use. Blooms in 10 weeks from seed sowing. Pkt. 10 cts., 1/16 oz. 25 cts.

LARKSPUR—GIANT IMPERIAL BLUE BELL

Deeper than sky blue. Long spikes of double flowers carried on stems 4 to 5 feet long. Pkt. 10 cts., 1/8 oz. 20 cts.

LARKSPUR—IMPERIAL WHITE KING

1937 Award of Merit

The florets are extremely large and fully double, measuring 2 in. across, evenly and closely spaced, of a clear glistening white. Cutting spikes 30 in. Plants tall, 5 ft. Pkt. 15 cts., 1/8 oz. 30 cts.

MARIGOLD—YELLOW SUPREME

A full carnation flowered Marigold of a rich creamy lemon-yellow color. A perfect companion to Guinea Gold. Flowers are produced freely and lack the usual Marigold odor. Pkt. 10 cts., 1/8 oz. 25 cts.

NASTURTIUM—DOUBLE GLEAM HYBRIDS (The Gold Medal Flower)

The hybrids are a collection of gorgeously colored, large, well formed double flowers of dazzling beauty. Glorious double flowers in salmon, golden yellow, orange scarlet, cerise, cream, orange and crimson on upright stiff stems, abound in profusion. Plants semi-dwarf, easily grown in the garden. Fragrant. Pkt. 10 cts., 1 oz. 20 cts.

NEW MARIGOLD, CROWN OF GOLD

Awarded the Gold Medal as the most outstanding new flower for 1937 in the All-America Selections

A new type. The flowers are 2½ to 3 inches across. Plants 2 feet high, covered with their deep golden orange blooms which have a delightful fragrance. Pkt. 15 cts., 1/16 oz. 25 cts.



Scabiosa, Blue Moon

CALENDULA—ORANGE SHAGGY

The long deeply fringed petals overlap each other irregularly, giving the flower the effect of a shaggy Chrysanthemum. A brilliant orange that is effective in the garden or as a cut-flower. Pkt. 10 cts., 1/8 oz. 30 cts.

VERBENA—CRIMSON GLOW (New)

The flowers are pure, self-colored glowing crimson, of good size, freely produced on plants which are semi-compact. Crimson Glow is a vivid Verbena and rounds out the color shades of the Verbenas. Pkt. 15 cts., 1/16 oz. 25 cts.



Aster, Early Giant Light Blue



Petunia Velvet Ball

PETUNIA—VELVET BALL (New)

A streamlined, compact, dwarf free blooming Petunia. Eight inches high, flowers $2\frac{1}{2}$ inches. 8-10 blooms at a time, spread 10 inches. Fine for pot culture, border and edging. Pkt. 25 cts.

PETUNIA—RUFFLED MARTHA WASHINGTON

This neat dwarf plant is studded with lovely frilled blooms which are bluish lavender at the center and shade to a bluish white at the edges. Strongly veined in the throat. Comes 100% true from seed. Pkt. 15 cts.

SCABIOSA—IMPERIAL GIANTS BLUE MOON (New)

The flower form is different from existing Scabiosa varieties. Instead of a few rows of broad petals followed by a flat pin-cushion top of small petals, Blue Moon has flowers composed of heavy waxy petals, the same size throughout, making it fully double. The flowers are very large $2\frac{1}{2}$ x $2\frac{1}{2}$ inches of a deep lavender blue, borne on heavy wiry stems that hold the flowers proudly erect. An ideal cut-flower type. Pkt. 15 cts., 1/16 oz. 50 cts.

RUST PROOF ANTIRRHINUMS (Snapdragons)

Rust Proof Snapdragons have been subjected to the most rigid tests on rust infested grounds and have produced over 75% of the plants absolutely immune. They are free bloomers, having long spikes full of large beautiful flowers. Mixed colors. Pkt. 15 cts., 1/16 oz. 35 cts.

ZINNIA—DESERT GOLD (New)

A bicolor Zinnia comprising the deep and lighter shades of gold, each petal overlaid at the base with a deeper golden yellow. The flowers are large, double, well formed on generous stems. Plant 3 ft. tall. Pkt. 15 cts., 1/16 oz. 25 cts.

ZINNIA—EARLY WONDER—GYPSY (New)

A dwarf early bloomer, 30 to 40 days, free blooming, deep rich burnished orange, medium sized flowers on long wiry stems, a good cut-flower. Desirable variety. Pkt. 15 cts., 1/16 oz. 25 cts.

ZINNIA—FANTASY STAR DUST (New) 1937 Award of Merit

The shaggy ray-like petals are entirely different. A delicate graceful bloom of imposing appearance of a rich golden yellow. The plants are $2\frac{1}{2}$ ft. and early blooming. Pkt. 15 cts., 1/16 oz. 25 cts.

ZINNIA—FANTASY MIXED

The rounded flowers are composed of a mass of shaggy ray-like petals which give a delicate and refined appearance to the medium sized double flowers. Large enough to satisfy the desire for mass of color, yet small enough to lend themselves gracefully to flower arrangement. The color range includes red, orange, pink, yellow and cream. Pkt. 10 cts., 1/8 oz. 35 cts.

ZINNIA—SCABIOUS FLOWERED

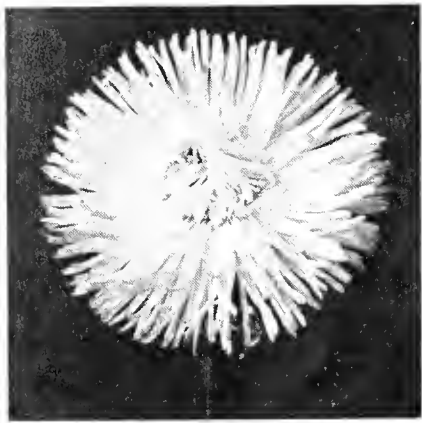
Really a curiosity, the outer row of petals are long and large, while the inner rows are short and tubular, giving the flower the appearance of a Scabiosa. The plants grow three feet in height and are crowded with flowers. Pkt. 15 cts., 1/16 oz. 25 cts.

SACCO AND VIGORO PLANT-FOOD MAKES THINGS GROW

These Plant-Foods are specially prepared fertilizer that supplies every necessary element for healthy plant-growth—Nitrogen, Phosphates, and Potash combined in exactly the right proportion. They produce truly amazing results with few applications. See page 41 for prices, etc.



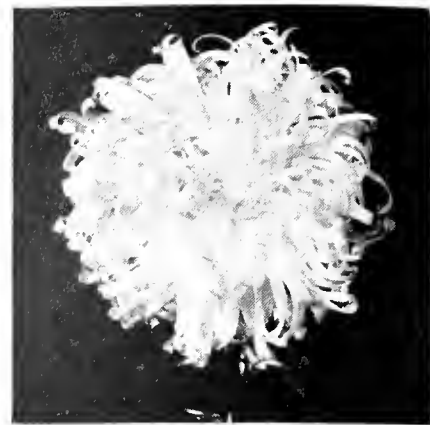
Zinnia "Fantasy Mixed"



California Giant Aster



Sunshine Aster



Giant Crego Aster

Asters

The most noted advance in Aster growing is the development of a new Wilt Resistant Strain, assuring amateur growers as well as florists beautiful blooms. The Asters listed below, with few exceptions, are bred for resistance to the Fusarium Wilt and are absolutely immune to it.

AMERICAN BEAUTY ASTER

We have noted with pleasure the steadily increasing popularity of the Beauty type Aster as a florists' flower. The colors are good, and their keeping qualities unsurpassed. They are excellent shippers and are rapidly superseding American Branching for general use.

The Early Beauties flower with the Crego and American Branching types, from early July until frost. The plants are from 2½-3 feet, with long, stout stems bearing large well formed flowers. White, Crimson, Peach Blossom, Dark Lavender, Purple, Mixed. Pkt. 10 cts., 1/8 oz. 40 cts.

GOLDEN SHEAF

The deepest yellow aster yet offered, free flowering and Wilt Resistant. Large full flowers with quilled centers; outer band of broad petals. Fine for cutting. Pkt. 15 cts., 1/8 oz. 40 cts.

IMPROVED GIANTS OF CALIFORNIA

Curled and Interlaced

Characterized by the well-known Crego or Comet type of flower, combined with the Beauty Asters long, non-lateral branching stems and sturdy habit of growth. This type of Aster stands at the head of the list, not only for florists' use, but also for private gardens where quality is appreciated. The large flowers are borne on long stems. The plants grow from 2½-3 feet, blooming from early July until frost. Finest Mixed, all colors. Pkt. 15 cts., 1/8 oz. 40 cts.

IMP. NEW GIANT CALIFORNIA SUNSHINE ASTER

The flowers have long, wavy petals and a cushion center of small, feathery quills of a different shade. Plants sturdy and strong, with long, stiff flower-stems. Mixed colors. Pkt. 10 cts., 1/16 oz. 20 cts.

GIANT CREGO OR COMET ASTER

The twisted and curled petals give the flower the appearance of a huge, flat chrysanthemum. Flowers often 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. White, Shell-Pink, Crimson, Lavender, Purple, Mixed, all colors. Pkt. 15 cts., 1/8 oz. 40 cts.

AMERICAN BRANCHING ASTER

An Aster selected for its large double chrysanthemum-like blooms borne on long stiff stems. Plants grow from 2½ to 3 ft. high. Mixed colors. Pkt. 10 cts., 1/8 oz. 30 cts.

NEW SUPER GIANT LOS ANGELES ASTER

A new race of Asters which promises to supersede all other strains for size and cut-flower use. Received Award of Merit, 1934 All-American Selections. Pkt. 15 cts., 1/8 oz. 40 cts.

GIANT WILT-RESISTANT

Light Blue. All-American Selection. Silver Medal 1939. See Page 3 for description.

ASTER—SUPER GIANT EL MONTE (New)

A large crimson Aster, composed of daintily interlocked plume-like petals extremely large and fluffy. Early blooming, a super giant of the Ostrich Feather type. Pkt. 15 cts., 1/16 oz. 25 cts.

ASTER—HEART OF FRANCE

Rich Ruby Red, large. Pkt. 15 cts., 1/16 oz. 25 cts.

AFRICAN GOLDEN DAISY

An extremely showy annual Daisy from South Africa. The bushy plant grows 12 inches high, and the flowers, which are 2½ inches across, are a rich glossy orange-yellow, with dark disc and halo. Blooms continuously. Pkt. 10 cts., 1/8 oz. 20 cts.

AGERATUM—FLOSS FLOWER

Blue Perfection. Valued for its pretty, deep lavender-blue flowers which are borne in great profusion. Height, 1 foot. Pkt. 10 cts., 1/4 oz. 30 cts.

Blue Cap. A new miniature ageratum of compact growth literally covered with a continuous bloom. 6 inches. Pkt. 10 cts., 1/16 oz. 25 cts., 1/8 oz. 40 cts.

Fairy Pink (New). Pkt. 15 cts., 1/16 oz. 75 cts.

AGROSTEMMA—ROSE CAMPION MULLEIN

Coronaria. HP. An attractive free-flowering hardy perennial of easy culture, producing glowing crimson flowers like a single pink, and silvery white foliage. Blooms the first season. Fine for cutting. Height, 2 feet. Pkt. 10 cts., 1/4 oz. 25 cts.

Amaranthus. HA. These robust plants, related to the Celosias, do best in open sunny spots. They thrive in good soil, but the colorings are more vivid in poorer ground.

Caudatus (Love Lies Bleeding). 3 ft. A rapid growing sort with long, drooping crimson flower spikes. Pkt. 10 cts., 1/4 oz. 25 cts.

ANTHEMIS—GOLDEN MARGUERITE HP

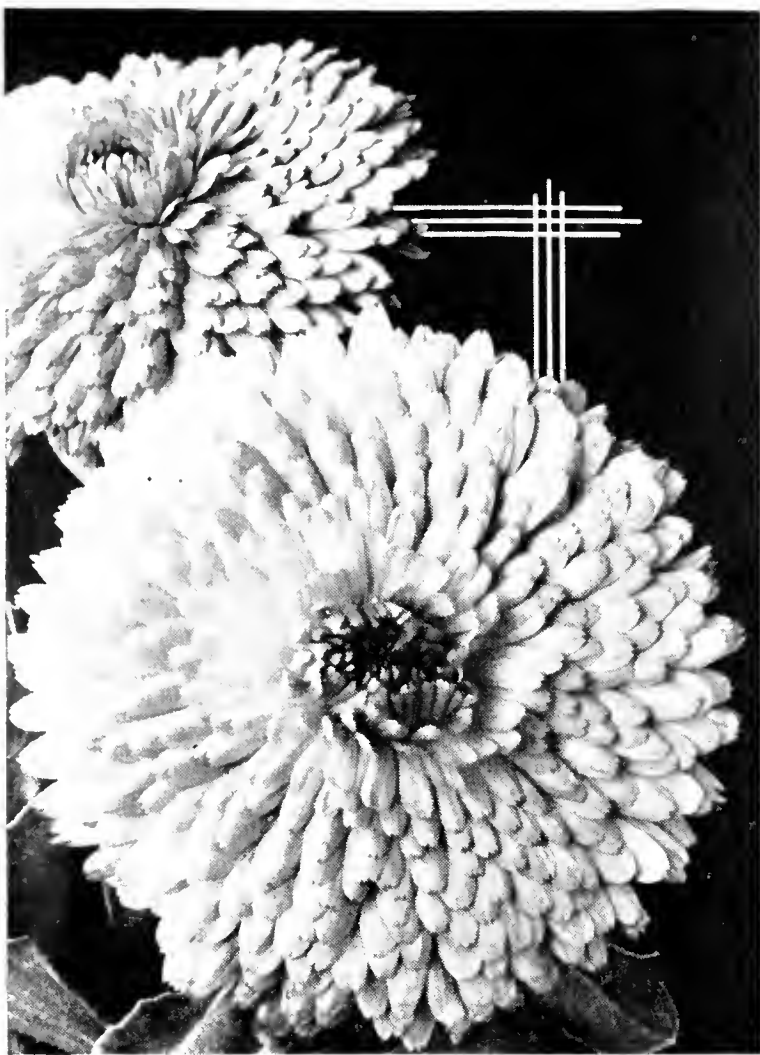
Kelwayi. A most satisfactory hardy perennial bearing all summer long daisy-like golden yellow blossoms; excellent for cutting; 2 ft. Pkt. 10 cts., 1/8 oz. 25 cts.

ANCHUSA—ALKANET, SEA BUGLOSS A and HP

Capensis, Blue Bird (Cape Forget-me-not). A fine, free growing annual variety about 15 inches high with sprays of lovely Forget-me-not-like flowers of a vivid indigo blue. Plants are compact and of even habit. Very showy. Pkt. 10 cts., 1/4 oz. 25 cts.

ARMERIA—SEA PINK, THRIFT HP

Formosa Hybrida. A very pretty edging or rock garden plant, bearing rosy pink flowers throughout the summer and early fall. Perfectly hardy. 18 inches high. Pkt. 15 cts., 1/16 oz. 35 cts.



Calendula, Campfire

Alyssum

ANNUAL ALYSSUM

White Carpet. Dwarf, compact plants, densely covered with large, pure white flowers. Height, 4 inches. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Little Dorrit. A perfect little bush 4 inches high smothered with miniature white flowers. Pkt. 10 cts., 1/8 oz. 15 cts., 1/4 oz. 25 cts.

Sweet. The popular old-fashioned sort, the best for broad edges and vases; pure white. Height, 6 inches. Pkt. 5 cts., 1/4 oz. 15 cts., oz. 40 cts.

HARDY ALYSSUM—BASKET OF GOLD HP

Saxatile compactum. Golden Tuft. A useful little border and rockery plant growing not over 12 inches high, covered with enveloping flat clusters of bright golden yellow flowers early in summer. Pkt. 10 cts., 1/8 oz. 25 cts., 1/4 oz. 40 cts.

AUBRETIA—RAINBOW ROCK CRESS HP

Pretty, dwarf-growing plants suitable for the rockery or for the edge of the border. They form masses of silvery green foliage and sheets of various colored flowers in spring and early summer. Mixed. Pkt. 15 cts., 1/16 oz. 50 cts., 1/8 oz. 85 cts.

ARCTOTIS GRANDIS

Blue Eyed African Daisy. A useful and charming cut-flower blooming from June until frost, lasting a week in water. The daisy-like flowers are glistening white but variegated by the undersurface of pale lilac-blue. Grows 2 to 3 feet. Annual. Pkt. 10 cts., 1/8 oz. 20 cts.

ARABIS—ROCK CRESS HP

Alpina. A hardy perennial and one of the earliest and prettiest spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequalled for rockeries or edging; withstands the drought and is always neat. Height, 6 inches. Pkt. 10 cts., 1/4 oz. 25 cts., 1/2 oz. 40 cts.

BRACHYCOME—SWAN RIVER DAISY

Mixed. Annual. Small blue, rose and white Daisy-like blooms nearly all summer. Fine for edgings, rock gardens or pots. Very free-flowering. 1 ft. Pkt. 10 cts., 1/4 oz. 35 cts.

BALSAM—LADY'S SLIPPER

An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliantly colored, double flowers in the greatest profusion; of easy culture. Annual. Choice Double Mixed Colors. Pkt. 10 cts., 1/4 oz. 25 cts.

BACHELOR BUTTONS OR CORNFLOWER

The new double Cornflowers, or Bachelor Buttons, make most excellent flowers for both the bouquet and garden. The flowers are double, of good clear colors, and with long, graceful stems for cutting. Annual.

Jubilee Gem. A dwarf form of blue Bachelor Button. It is a distinct improvement over the old form of plant—compact, tidy, and covered with large blue flowers. Splendid for edging borders and for cutting. Pkt. 15 cts., 1/16 oz. 50 cts.

Double Blue. Cornflower blue. Pkt. 10 cts., 1/4 oz. 25 cts.

Double Rose. A beautiful deep pink, flowering freely in almost any situation. Pkt. 10 cts., 1/4 oz. 25 cts.

Double, Mixed Colors. All shades. Pkt. 10 cts., 1/4 oz. 15 cts., 1/2 oz. 25 cts.

BLANKET FLOWER—GAILLARDIA

The heads of star-shaped tufted flowers are greatly admired for their rich blending of red, yellow, orange. Height, 1 1/2 feet.

Indian Chief. An elegant, showy single-flowering annual variety with metallie red petals, surrounding a mahogany brown center. Pkt. 10 cts., 1/4 oz. 25 cts., 1/2 oz. 45 cts.

The Dazzler. Hardy Perennial. Pkt. 10 cts., 1/4 oz. 30 cts.

Burgundy. New Coppery Scarlet. HP. Pkt. 10 cts.

Grandiflora Mixed. Pkt. 10 cts., 1/4 oz. 25 cts.

BLUE LACE FLOWER

Didiscus Coccineus. Large, lace-like, delicate lavender-blue flower-heads, 2 1/2 inches across. Blooms all summer. 1 1/2 ft. Pkt. 10 cts., 1/8 oz. 30 cts.

Calendula Pot Marigold

Sunshine or Chrysantha. Entirely new Calendula. Tall stems, large double Butter-cup yellow flowers with long wide petals drooping in the same manner as a chrysanthemum. Annual. Pkt. 10 cts., 1/8 oz. 20 cts., 1/4 oz. 35 cts.

Radio. Deep Orange, quilled petals, long stems. Pkt. 10 cts., 1/8 oz. 20 cts.

Campfire (Sensation). The very double, brilliant orange flowers have a delicate crimson or scarlet sheen. Their characteristic flatness accentuates their unusual size. Pkt. 10 cts., 1/4 oz. 50 cts.

Orange King. An extra-fine strain of this splendid, double rich orange-red variety, producing flowers over 3 inches in diameter. Pkt. 10 cts., 1/4 oz. 20 cts., 1/2 oz. 35 cts., 1 oz. 60 cts.

Orange Shaggy (New). Pkt. 10 cts., 1/8 oz. 30 cts.

Mixed, All Double Sorts. Pkt. 10 cts., 1/4 oz. 15 cts.

CANARY BIRD FLOWER

Canary Bird Flower. Annual. Very graceful, dainty climber with finely fringed, Nasturtium-like flowers of rich canary yellow, which at a distance appear like tiny canary birds with their wings half expanded. Prefers semi-shade and fairly moist soil. 10 to 15 ft. Pkt. 10 cts., 1/2 oz. 30 cts.

CLEOME

Cleome Giant Rose. (Spider Plant.) Showy, curious, flower-heads of rich rosy crimson at the top of stems 4 to 5 ft. tall. July to October. Very interesting. Pkt. 10 cts., 1/4 oz. 30 cts.

CLARKIA CH

Clarkia, Double. (HA-2 ft.) These graceful plants are erect and bushy with attractive light green foliage. They bear quantities of delicately colored double flowers, resembling small carnations or rosettes set along the stems. Pkt. 10 cts., 1/4 oz. 30 cts.

Spray Hollyhocks, Phlox and Delphiniums early with Lucky Strike to avoid Black Spot and Rust.



Canterbury Bells

ANNUAL CALLIOPSIS

Tall, Mixed. Contains large and small flowered varieties in many bright colors. Height, 2 to 3 feet. Pkt. 10 cts., 1/4 oz. 20 cts.

Dwarf, Mixed. Yellow, orange, and mahogany, and tiger-flowered plants of dwarf growth. Height, 15 in. Pkt. 10 cts., 1/4 oz. 20 cts.

CANDYTUFT

A very hardy, easily grown little annual that is a universal favorite for beds and masses. Successive sowings should be made during the summer, while the last sowing in the autumn will produce flowers early in the spring. Height, 1 foot. **One packet will sow 15 feet.**

Giant Hyacinth-flowered or Improved Empress. The finest of all white varieties. The long, heavy spikes of large flowers resemble a white hyacinth. Pkt. 10 cts., 1/4 oz. 20 cts., oz. 60 cts.

Mixed Colors. A special mixture we make up of a number of separate colors, assuring a well-balanced assortment. Pkt. 10 cts., 1/2 oz. 25 cts.

HARDY CANDY TUFT (Iberis) HP

The Iberis or Candytuft is very desirable for the hardy perennial border, growing 1 foot high. **Mixed colors.** Pkt. 10 cts., 1/8 oz. 35 cts., 1/4 oz. 60 cts.

CANTERBURY BELLS HP

Campanula calycanthem. The true Cup-and-Saucer Canterbury Bells. White, Pink, Blue. Pkt. 10 cts., 1/8 oz. 30 cts., 1/4 oz. 50 cts.

Campanula medium (Single Canterbury Bells). **Mixed.** The old-fashioned sorts, with beautiful, large, bell-shaped blossoms. Height, 2 feet. Pkt. 10 cts., 1/4 oz. 35 cts., 1/2 oz. 60 cts.

Campanula medium (Double Canterbury Bell). Lovely double bells on tall stems. Height, 2 feet. **Colors are mixed.** Pkt. 10 cts., 1/8 oz. 20 cts., 1/4 oz. 35 cts.

NEW ANNUAL CAMPANULA

This desirable class blooms within six months from seed. Same large flowers as in the Biennial varieties.

Mixed Colors. All the colors of the Biennial Campanula; shades of blue, rose and white carefully blended. 2 to 2 1/2 ft. Pkt. 15 cts., 1/8 oz. 40 cts., 1/4 oz. 75 cts.

CARNATION

Marguerite. Large double flowers of beautiful colors. An improved strain of Pinks. Very fragrant. Pkt. 10 cts., 1/8 oz. 30 cts.

Chabaud's. HP. Large, double, clove-scented blooms, 2 in. and more across, may be had in 5 or 6 months from sowing the seed. Wiry stems 15-18 in. long. Pkt. 10 cts., 1/8 oz. 30 cts.

CARDINAL CLIMBER

A brilliant and beautiful climber, growing rapidly and attaining a height of 30 feet. Foliage fern-like; flowers cardinal-red, 1 1/2 inches across. Soaking the seed or notching the seed-coat will hasten germination. Pkt. 10 cts., 1/8 oz. 20 cts., 1/4 oz. 35 cts.

CASTOR-OIL BEAN—RICINUS

Plants of stately growth and picturesque foliage, brilliant colored fruit, producing an oriental effect. Height, 8 to 12 feet. Pkt. 10 cts., 1/2 oz. 15 cts.

SILVERY CERASTIUM HP

Tomentosum. (Snow-in-Summer). Silvery white foliage; abundance of snow-white flowers, 4 inches high. Perennial. Pkt. 10 cts., 1/16 oz. 20 cts., 1/8 oz. 35 cts.

CHRYSANthemUM

Single Annual. Blooming profusely from early summer until frost, they are most effective and showy. The bright-colored daisy-like flowers are useful for cutting. Height, 1 to 1 1/2 feet. **Mixed.** Pkt. 10 cts., 1/2 oz. 25 cts.

CHINESE LANTERN PLANT (Physalis Francheti) HP

A very highly interesting hardy perennial plant growing 2 feet high, covered with bright orange-scarlet fruits resembling Chinese lanterns. These fruits may be cut and dried for winter bouquets. Pkt. 10 cts., 1/4 oz. 40 cts., 1/2 oz. 70 cts.

COCKSCOMB OR CELOSIA

Glasgow Prize. Immense, showy, dark crimson combs. Height, 1 foot. Pkt. 10 cts., 1/8 oz. 35 cts.

Pride of Castle Gould. Enormous plumes which are attractively curled in much the same way as ostrich feathers to which they could be likened. Colors include brilliant shades of pink, orange, and crimson. Annual. Pkt. 10 cts., 1/8 oz. 25 cts.

COLUMBINE—AQUILEGIA HP

One of the most popular perennials, easy of cultivation. Very desirable for herbaceous borders and groups among shrubbery.

Long Spurred Finest Mixed. Superb single sorts unsurpassed for beauty and size of flower and with remarkably long spurs. Pkt. 10 cts., 1/8 oz. 50 cts., 1/4 oz. 85 cts.

HARDY COREOPSIS HP

Double Sunburst. Beautiful hardy perennials that grow 15 to 18 inches high and produce their double golden yellow flowers in great profusion. Easily grown from seed, flowering the first year if sown early. Pkt. 10 cts., 1/8 oz. 30 cts.

Mayfield Giant. A new variety of Australian origin. It is considered the finest strain of this popular perennial yet introduced. The plants are taller and more vigorous than the type and the individual flowers are considerably larger and are carried on long stems. The color is a beautiful deep golden yellow. Pkt. 15 cts., 1/4 oz. 50 cts.

Lanceolata grandiflora. An old-fashioned favorite with large, showy, bright yellow flowers produced in the greatest abundance from June until late in the season. Grows 30 inches high. Pkt. 10 cts., 1/4 oz. 25 cts.

CYPRESS VINE—IPOMOEA QUAMOCLIT

A splendid, quick-growing vine with fine, feathery, rich green leaves, and starred with small showy red flowers. Pkt. 10 cts., 1/2 oz. 25 cts.

COBAEA

Cobaea Scandens. Rapid growing climber; bell-shaped, rich rosy purple blooms. Unsurpassed for shade on porches or trellises. 10 to 20 ft. Pkt. 10 cts., 1/4 oz. 25 cts.

To germinate fine vegetable and flower seed, sow seeds on top of ground, press into the soil, put a damp burlap bag over the seed. Do not allow it to dry out; keep moist. Remove bag when seeds are up.

Cosmos

Early Klondyke Orange Flare. A new gorgeous orange yellow flower with foliage coarsely lacinated. Blooms in 3 months. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Extra-Early Giant, Mixed. Seed sown early will produce plants covered with fine flowers two months before the late flowering kinds. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Double-Crested Mixed. A new and distinct type of early, large-flowering Cosmos, the center being full double, giving a crested effect. A well-balanced mixture. Pkt. 15 cts., $\frac{1}{8}$ oz. 35 cts.

Extra-Early Express, Pink. An extra-early single Cosmos flowering in from forty-five to fifty days from the time seed is sown. The plants grow about two and one-half to three feet high. They are covered with medium-sized bright pink flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Sensation Pinkie. (New.) See Page 4.

CYNOGLOSSUM FORGET-ME-NOT

Amabile Chinese. An annual of easy culture, forming strong bushy plants $1\frac{1}{2}$ feet high and producing sprays of intense blue and white forget-me-not flowers throughout summer. Sow outdoors in May. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts.

Amabile Chinese, Pink (New). This resembles the blue variety in habit of growth and general appearance, but the flowers are a rich deep pink, more striking than the pink Forget-me-not. In moderate climates this plant will live through the winter. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

DAHLIA HP

Unwins Dwarf Giant Hybrids. Easily grown from seed. Plants 20 inches high of compact growth, flowers single and semi-double of brilliant hues. Blooms freely until frost. Pkt. 25 cts., $\frac{1}{16}$ oz. 50 cts.

DELPHINIUM—HARDY LARKSPUR HP

One of our most showy and useful hardy perennial plants, possessing almost every requisite for the adornment of the garden, producing splendid spikes of flowers in profusion throughout the summer.

BLACKMORE & LANGDON'S GOLD MEDAL STRAIN

Famous English Delphiniums, plants vigorous, free-blooming, flower spikes 3 ft. long, florets $1\frac{1}{2}$ to 2 in. across, assorted delicate colors. Undoubtedly the best commercial strain. Pkt. 20 cts., $\frac{1}{16}$ oz. 35c cts.

Belladonna. This is one of the most free and continuous blooming varieties. Immense spikes of lovely pale blue. Height, 4 feet. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

Bellamosa. A very dark blue variety of particular value for deliberate dark blue mass effect, and a striking contrast in connection with the azure shade of belladonna. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

Gold Medal Hybrids. Plants vigorous, free-blooming, with flower-spikes 2 feet long. Grand assortment of colors in mixture, ranging from lightest blue to purple. Pkt. 15 cts., $\frac{1}{8}$ oz. 35 cts.

DIANTHUS—PINKS

A most satisfactory class of flowers, easily raised from seed, which are in constant bloom the entire season; fragrant.

Heddewigi (Single Japan Pink). Finest single-flowered. Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Heddewigi fl. pl. (Double Japan Pink). Colors varying from the richest crimson to the most delicate rose. Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

PLUMARIUS (Grass Pinks, Garden Pinks). Strong clumps, grassy foliage, thin wiry stems, free flowering, hardy.

Perennial. Mixed. Double and semi-double blooms with spicy fragrance. Known everywhere. 18 in. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

ENGLISH DAISY (*Bellis perennis*) HHP

Dwarf, early spring-blooming favorites; very double. Fine for borders, requiring partial shade in hot weather. Height, 4 inches. Finest Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

We sell only the best grade of seed, tested for purity and vitality.

ESCHSCHOLTZIA—CALIFORNIA POPPY

Eschscholtzias are among our most beautiful and popular annuals, being of the easiest culture. Sow the seed where the plants are to remain. Height, 1 foot.

Ramona Strain. A new compact strain of California Poppies beautifully frilled and incurved, colors range through the pinks, yellows and bronzes. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Ramona. Pink, soft pink shades. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Ramona. White, pinkish tinge. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

New Hybrid, Mixed. This mixture has been saved from a number of sorts of wonderful colorings, including old-gold, fire-red, cream, and many other rich and unusual tones. Pkt. 10 cts., $\frac{1}{8}$ oz. 15 cts., $\frac{1}{4}$ oz. 25 cts.

Aurantiaea. Rich golden orange. This is the true California Poppy that the tourists rave so much about. It is, perhaps, the most desirable where one color is wanted. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts.

EUPHORBIA A

Variegata (Snow on the Mountain). Attractive bright green foliage, veined and margined with white. Grows 2 feet high. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

FORGET-ME-NOT (*Myosotis palustris*) HHP

Beautiful little half-hardy perennials with star-like flowers. Bloom the first year from seed. Succeeds best in a shady situation. Height, 6 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

FOUR O'CLOCK (*Marvel of Peru*)

A well-known favorite annual of bushy habit bearing, during the season, hundreds of white, yellow, crimson, and violet flowers. Height, 2 feet. Fine Mixed. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts.

FOXGLOVE—DIGITALIS HP

The Shirley. New large bell-shaped flowers in rose and purple with mahogany-brown spots in the throat, borne on tall heavy spikes 3 feet long. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Gloxiniaflora Mixed. Handsome perennial plant of stately growth and varied beautiful clear colored bell-shaped flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 45 cts.



Eschscholtzia, Ramona Strain



Annual Larkspur

GLOBE AMARANTH

Attractive, clover-like, strawy flower heads, about $\frac{3}{4}$ in. across. Mid-summer until frost. Fine for borders and cutting. **Mixed Colors.** White, pink, flesh, red and orange in mixture. $1\frac{1}{2}$ to 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

GEUM HP

Mrs. Bradshaw. An attractive perennial, growing 2 feet tall and bearing double orange-scarlet flowers during summer. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

CODETIA

Double Azalea Flowered. Mixed annual. Showy garden annuals of compact growth, about 1 foot high. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

COURDS

Ornamental Varieties, Mixed. Includes a great number of interesting and diverse forms. Pkt. 10 cts., oz. 20 cts.

GYPSOPHILA—BABY'S BREATH

Annuals and early-flowering perennials, bearing graceful panicles of small flowers that are elegant for cutting and for bunching with other flowers.

Elcans alba grandiflora (Annual). An improved form of the annual Baby's Breath. Pure white, large flowers. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts.

Rosea. Annual, Rose-colored flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Paniculata. HP. White single flowers, fine for bouquets; hardy perennials. Blooms first year if sown early. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 50 cts.

Paniculata fl. pl., Double. HP. Small, double white bloom in much branched panicles during June and July. Invaluable for cutting. 3 ft. Pkt. 20 cts.

HUNNEMANNIA

Giant Yellow Tulip Poppy, Santa Barbara Poppy or Bush Eschscholtzia

Sunlite (Annual). Gorgeous, semi-double clear canary yellow blooms with a row of short petals on the outside, instead of the inside of the eup. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts.

HELIANTHEMUM—SUN ROSE HP

Mutabile. An excellent, dwarf, creeping perennial for dry soils. Flowers in rose, pink, and white during May and June. Hardy and free blooming. Pkt. 10 cts., $\frac{1}{16}$ oz. 20 cts., $\frac{1}{8}$ oz. 35 cts.

HELIOTROPE—ANNUAL

Everyone loves the delightful fragrance and beauty of Heliotrope. Excellent bedding plants in the summer; desirable

pot plants during the winter. Succeeds in ordinary soil and full sun. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

HEUCHERA—CORAL BELLS

Sanguinea. The flowers are of a rich, bright coral-red color. 30 inches high. Pkt. 25 cts., $\frac{1}{16}$ oz. 65 cts., $\frac{1}{8}$ oz. \$1.25.

HOLLYHOCK HP

Chater's Superb Double Mixed. Hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers. Height, 6 to 7 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Single Mixed. Probably the most showy of the many good old-fashioned flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts.

HIBISCUS—MALLOW HP

Mixed. Showy shrub-like plants bearing profusely white, pink and red flowers of enormous size during August and September. Easy to grow. 5 to 6 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

HONESTY—LUNARIA (Moonwort; Satin Flower)

Biennis. Hardy biennials, but grown as annuals. Admired for their silvery seed-pouches which are used for house ornaments. Height, 3 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 35 cts.

ICE-PLANT (Mesembryanthemum) Annual

Crystallinum. The leaves appear as if covered with a coating of thin ice. This annual plant is grown as a ground cover and is particularly suited for the rock garden or hanging baskets. The small, inconspicuous flowers are either white or light pink. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

JOB'S TEARS Annual

Gray ornamental seeds. Often strung as beads. 2 to 3 feet. Pkt. 10 cts., oz. 25 cts.

LANTANA

Hybrida, Mixed. Annual. Shrubby annual plant with verbena-like flowers in shades of white, red, and yellow with an agreeable aromatic perfume. May be grown in pots or set out in summer. Remains in bloom late in autumn. Height, 2 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

NEW ANNUAL LARKSPURS

Giant Imperial Blue Bell. Deeper than sky blue. Long spikes of double flowers carried on stems 4 to 5 feet long. Described on Page 4. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Stock Flowered Rosamond. Deep rose double flowers on long spikes. Fully described on Page 4. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Empress Rose. A rich rhodonite-pink changing to hermosa-pink with no trace of mauve. This magnificent new strain is a double, everblooming, super-branching Larkspur and grows over 6 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Lustrous Carmine. Bright red. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Giant Imperial White King (New). The florets are extremely large and fully double, measuring 2 inches across, evenly and closely spaced, of a clear glistening white. See Page 4. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts.

Giant Imperial Coral King (New). A new color in Larkspurs. Blush pink with a strong suffusion of coral which deepens and gets richer as the flowers mature. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts.

Dark Blue. Deep lovely blue flowers. Pkt. 10c., $\frac{1}{8}$ oz. 20 cts.

Annual Larkspur, Mixed Choice Colors. Fine for cutting. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

LINUM OR FLAX HP

Sibiricum. Large, beautiful, blue flowers, blooms continuously for many weeks. The plants grow from 15 to 24 inches tall. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts.

Grandiflorum Rubrum. Fine foliage and delicate stems, with brilliant scarlet-erimson flowers; hardy annual; 15 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

LAVATERA (Annual Mallow)

The showy flowers and large downy leaves of these annual Mallows produce a decorative effect in hedges or borders. The large cup-shaped blooms, two to three inches across, bloom profusely during the entire summer and make long-keeping cut-flowers. The plants are rather spreading, but this is an advantage as they may be sown late to fill a vacant spot following spring flowers.

Splendens Rosca. Bright rose pink flowers. Pkt. 10 cts., 1/4 oz. 40 cts.

LOBELIA

Crystal Palace. 4 inches. Deepest blue annual. The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture. Pkt. 10 cts., 1/8 oz. 40 cts.

LUPINUS—LUPINE

Lupines are showy plants, a little out of the ordinary, with handsome, conspicuous flowers, borne in terminal racemes, somewhat resembling the sweet pea. Do not attempt to transplant the annual sorts.

Hartwegi, Annual, Finest Mixed. Choice assortment of colors. Height, 2 feet. Pkt. 10 cts., 1/2 oz. 25 cts.

Polyphyllus, Hardy Perennial, Finest Mixed. Various shades of Pink, Purple, Blue, and White. If sown early will bloom the first season. Height, 3 feet. Pkt. 10 cts., 1/2 oz. 25 cts.

MARIGOLD

Sunset Giants (New). A Marigold without the objectionable odor. Flowers loosely formed, full center, colors light yellow to deep orange. Pkt. 15 cts., 1/16 oz. 75 cts.

Yellow Supreme. Pkt. 10 cts., 1/8 oz. 25 cts.

Guinea Gold. Without question the most glorious and lovely of all Marigolds. The richest, purest orange-gold color. 2 to 2 1/2 feet high. Pkt. 10 cts., 1/8 oz. 25 cts.

Giant African, Double. Height, 3 feet. All shades of yellow. Finest Mixed. Pkt. 10 cts., 1/4 oz. 25 cts.

French Dwarf, Double, Mixed. Pkt. 10 cts., 1/4 oz. 25 cts.

Dixie Sunshine. Pkt. 20 cts., 1/16 oz. 30 cts.

French. Tall double, Royal Scot, bold combination mahogany and gold in symmetrical stripes which radiates from center of flower. Pkt. 15 cts., 1/8 oz. 35 cts.

Double Harmony (New). Dwarf Double French Marigold. Scabiosa-like flowers of deep orange center, petals flanked by broad velvet dark maroon, brown guard petals. Pkt. 10 cts., 1/4 oz. 30 cts.

Crown of Gold (New). Pkt. 15 cts., 1/16 oz. 25 cts.

MEXICAN FIRE-BUSH OR SUMMER CYPRESS

An easily grown annual which forms a cypress-like hedge, with feathery green foliage. At the approach of autumn the foliage turns to a deep red color. Height, 2 to 3 feet. Pkt. 10 cts., 1/2 oz. 20 cts.

MIGNONETTE, SWEET-SCENTED

Valuable on account of its fragrance. Sow in succession during the summer. Annual. Pkt. 10 cts., 1/4 oz. 20 cts.

MOONFLOWERS

Blue. Deep clear blue flowers. Vines are rapid growth and bloom profusely. Soak seed in water 24 hours before planting. Pkt. 10 cts., 1/8 oz. 20 cts., 1/4 oz. 35 cts.

White. Vines are covered with large white flowers. Seeds should be soaked in water. Pkt. 10 cts., 1/8 oz. 15 cts.

Heavenly Blue Morning Glories are slow germinating. Soak over-night.

MORNING-GLORIES

Japanese Imperial. Flowers of immense size in a great variety of colors. Pkt. 10 cts., 1/2 oz. 25 cts.

Heavenly Blue (Rubra Coerulea). True blue flowers with white throat measuring 3 1/2 to 4 inches across. Very beautiful and good bloomers. Pkt. 10 cts., 1/8 oz. 20 cts.

Clark's Early Mammoth (New). Blue. Pkt. 10 cts., 1/8 oz. 20 cts.

Scarlett O'Hara (New). Gold Medal Award 1938 and 1939. See Page 3.

GRAND NEW DOUBLE SWEET-SCENTED NASTURTIUM

Double Gleam Hybrids (The Gold Medal Flower). The hybrids are a collection of gorgeously colored, large, well-formed double flowers of dazzling beauty. Glorious double flowers in salmon, golden yellow, orange scarlet, cerise, cream, orange and crimson on upright stiff stems, abound in profusion. Plants semi-dwarf, easily grown in the garden. Fragrant. Pkt. 10 cts., 1 oz. 20 cts.

Double Scarlet Gleam. Individual double blooms of fiery orange scarlet, almost 3 inches across. The sweet fragrance is very pronounced and the double flowers more uniformly well formed. Plants are semi-dwarf, bearing numerous flowers on long wiry stems. Pkt. 10 cts., 1 oz. 25 cts.

Golden Gleam. Large double golden yellow flowers 2 1/2 inches to 3 inches across. Borne on stiff erect stems 6 inches in length. Pkt. 10 cts., 1 oz. 15 cts.

Dwarf Double Gem. At last we have the perfect nasturtium. Very compact plants without runners; an abundance of long stemmed flowers in colors ranging from the deepest crimson through orange, salmon and cerise to cream. Bright clear foliage makes this a perfect border plant. Pkt. 15 cts.

SINGLE FLOWERING NASTURTIUMS

Our Gilt-Edge Mixtures are especially rich in brilliant colors, large, single flowers and free-blooming.

Tall or Climbing, Choicest Mixed.

Tom Thumb Dwarf, Choice Mixed. Oz. 10 cts., 2 ozs. 25 cts.

NICOTIANA—FLOWERING TOBACCO

Affinis. New Hybrids. The plants average 2 1/2 feet in height and bloom profusely in shades of rose red, crimson, and creamy white. Annual. Pkt. 10 cts., 1/4 oz. 25 cts.



Nasturtium, Dwarf Double Gem



Petunia, Rose Gem

PANSIES

Trimardean or Giant Mixed. A Giant Flowering variety with an improved color range. Artistic effects can be achieved by planting this superb mixture. Pkt. 10 cts., 1/8 oz. 35 cts., 1/4 oz. 60 cts.

Giant Perfection Mixed. This mixture is composed of giant-flowering sorts having many of the colors and different patterns found in the named varieties both as regards to size, texture and colorings. Pkt. 25 cts., 1/16 oz. 40 cts.

TUFTED PANSIES—VIOLAS HP

While the flowers of the Tufted Pansies are not as large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time.

Cornuta Mixed. A splendid mixture of the best varieties. Pkt. 10 cts., 1/8 oz. 35 cts., 1/4 oz. 60 cts.

PENTSTEMON—BEARD TONGUE HP

Gloxinioides. Very showy plants growing from 2 to 4 feet high, rather bushy, with very long, slender spikes bearing many trumpet-shaped flowers with hairy throats, hence the name "Beard Tongue." Pkt. 15 cts., 1/16 oz. 35 cts.

PHYSOSTEGIA—FALSE DRAGONHEAD

Rosy lilac flowers resembling little Snapdragons on rigid, upright plants not unlike Heather. July to September. 3 to 4 ft. Pkt. 10 cts., 1/8 oz. 40 cts.

PETUNIAS—GIANTS OF CALIFORNIA

Giant-flowered Ruffled Varieties. Vigorous growers of semi-trailing habit, with flowers which often measure 4 inches across. Many light shades, mostly with blotches and pencil-markings of a different color in the throat. A superb strain. Pkt. 25 cts., 1/32 oz. \$1.25.

Rose Gem Petunia. New compact plant of miniature Petunias, Rose of Heaven color. Pkt. 25 cts., 1/32 oz. \$1.25.

PETUNIA—VELVET BALL (New)

A streamlined, compact, dwarf, free blooming Petunia. Eight inches high, flowers 2½ inches. 8-10 blooms at a time spread 10 inches. Fine for pot culture, border and edging. Pkt. 25c.

SINGLE FRINGED PETUNIA

Dainty Lady. A new yellow single fringed Petunia, medium sized, free bloomer, of unusual merit. The plants are upright, semi-dwarf, excellent for border, bedding, window boxes and cut-flowers. Pkt. 35 cts., 1/32 oz. \$5.00.

Burgundy. Single Plain Edged (New). Red with white throat, strong grower. Pkt. 25 cts.

NEW PETUNIA—Ruffled Nana Compacta MARTHA WASHINGTON

The color is quite remarkable: The frilled portion of the flower is a beautiful blush-pink and the center portion is strongly veined a rich wine-red deepening in the throat, to dark violet. It is very suitable for borders, bedding, pots, or window-boxes. Pkt. 15 cts., 1/32 oz. \$1.00.

SINGLE BEDDING PETUNIAS

Everyone has room for some Petunias, either in porch or window-boxes, beds, borders, or rockeries. **Mixed.** Pkt. 10 cts., 1/8 oz. 25 cts.

Fluffy Ruffles. A marvelous blend of Giant Ruffled Petunias in many beautiful colors, with wide-open throats, many of which are feathered or veined with contrasting delicate or deep, rich hues. Pkt. 15 cts., 1/32 oz. \$1.00.

ROSY MORN PETUNIA

A great favorite because it adapts itself to so many uses. Ideal for porch boxes, beds, terraces, borders and among rockwork. Lovely flowers of delicate rose-pink with white throat. Sow thinly outdoors or for earlier blooms start seed in the house. Pkt. 10 cts., 1/8 oz. 60 cts.

BALCONY PETUNIAS

These large and beautiful Petunias were bred to produce a wealth of bloom when grown in porch or window-boxes, or garden vases; when grown in beds or borders they produce pleasing, striking effects.

Blue, Rose, and Red. Each, Pkt. 15 cts., 1/8 oz. \$1.00.

Balcony Choice Mixed. Pkt. 15 cts., 1/8 oz. 75 cts.

PHLOX DRUMMONDI

Salmon Glory. A pure salmon-pink with a distinct creamy-white eye. Gigantic florets 1½ inches in diameter on 10 inch trusses. One of the outstanding novelties of the year. Pkt. 25 cts., 1/16 oz. 75 cts.

Fireball. Crimson-scarlet. For dwarf beds or borders where plants growing 5 to 6 inches tall are wanted. They bloom freely throughout the summer. Pkt. 15 cts., 1/8 oz. 50 cts.

Choice Mixed. All colors of the rainbow can be reproduced in their globular flower heads, borne on strong stems, which in a properly planted bed will form a sheet of color. Annual. Pkt. 10 cts., 1/4 oz. 35 cts.

PHACELIA—ANNUAL

Attractive little plants delighting in rather dry soil and a sunny situation. Fine for edgings and rockeries. Of easy culture. A gem for the "blue" garden.

Campanularia (California Blue Bells). Gentian-blue with contrasting white anthers. 9 in. Pkt. 10 cts., 1/4 oz. 30 cts.

PLATYCODON—BALLOON FLOWER HP

The unopened buds resemble miniature balloons, opening up as deep-throated, 1½ to 2-inch bells. Plants grow 2 to 3 feet high and bloom profusely.

Mixed. Blue and white. Pkt. 10 cts., 1/8 oz. 25 cts.

PORTULACA—MOSS ROSE

Dwarf-growing plants of easy culture, thriving best in a light, sandy soil and a sunny situation.

Single Mixed. Pkt. 10 cts., 1/4 oz. 25 cts.

Double Mixed. Unsurpassed for brilliancy. A wide range of colors—orange, red, and white. Pkt. 10 cts., 1/16 oz. 30 cts., 1/8 oz. 50 cts.

PERENNIAL POPPY HP

Orientalc, Scarlet. The big, bright scarlet, Decoration Day Poppy. A hardy perennial form bearing immense single flowers in spring. Pkt. 10 cts., 1/8 oz. 25 cts.

Princess Victoria Louise. Salmon pink. Pkt. 15 cts.

Mrs. Perry. Orange-apricot, and a very fine variety, the best of all the "Pink Poppies." Pkt. 25 cts.

Perry's White. The flowers are a fine satiny white with a crimson-maroon blotch at the base of each petal. Pkt. 25 cts.

Pilosum. Apricot, Orange. Pkt. 15 cts.

Choicest Mixed. Fiery red, scarlet, orange-scarlet, salmon, and others. A charming mixture. Pkt. 10 cts., 1/8 oz. 30 cts., 1/4 oz. 50 cts.

Nudicaule (Iceland Poppy). A hardy type of Poppy delicately formed and containing many shades of yellow and orange which are foreign to their shorter lived annual cousins. 18 inches high. Pkt. 10 cts., 1/8 oz. 25 cts., 1/4 oz. 40 cts.

ANNUAL POPPY

Double Cardinal. Flowers are large fringed and fully double. **Mixed.** Pkt. 10 cts., 1/8 oz. 15 cts.

Double Shirley Art Shades. A most charming poppy. Large double flowers. Petals crinkled and fluted, measuring 3 to 4 inches across. **Mixed colors** of clear new shades. Pkt. 10 cts., 1/8 oz. 15 cts.

Shirley. Varying in color from pure white to rosy carmine and deep crimson in mixture. **Mixed Colors.** Pkt. 10 cts., 1/4 oz. 15 cts., 1/2 oz. 25 cts.

PYRETHRUM PAINTED DAISY HP

Double Mixed. Showy plants that bloom the first season if seed is sown early. Flowers double globular, 2 to 3 inches across, white, rose, crimson, and scarlet. The foliage is fine-cut and ferny. Height, 2 feet. Pkt. 15 cts.

Pyrethrum Single and Double Mixed. Pkt. 10 cts.

ROCK GARDEN

Rock Garden Mixtures. Annual finest mixed. Pkt. 10 cts.

Perennial finest mixed. Pkt. 10 cts.

Alpestris. Dwarf rock plant; dainty pure white flowers. Pkt. 15 cts.

SALVIA—SCARLET SAGE

This popular and showy bedding annual plant should be started either in the house or in hotbeds.

Bonfire. Compact, bushy plants, 2 feet high, producing erect spikes of brilliant scarlet flowers. Pkt. 10 cts., 1/8 oz. 50 cts., 1/4 oz. 90 cts.

Splendens. Tall-growing plants. Height, 3 feet. Pkt. 10 cts., 1/4 oz. 60 cts., oz. \$2.00.

Farinaea Blue Bedder. HP. Rich deep blue handsome flowers on long stems. Pkt. 15 cts., 1/8 oz. 50 cts.

LARGE FLOWERING SALPIGLOSSIS

A free-flowering annual, succeeding best in cool, moist soils. The large flowers are most vividly spotted and striped on ground-colors of deep blue rose, velvety yellow and reddish bronze. Pkt. 10 cts., 1/4 oz. 30 cts., 1/2 oz. 50 cts.

LARGE FLOWERED DOUBLE SCABIOSA

These beautiful hardy annuals are in great demand. They grow about 2 1/2 feet high. We highly recommend these new hybrid Scabiosas to all growers. Mixed. Pkt. 10 cts., 1/4 oz. 20 cts.

Azure Fairy. Clear lavender-blue. Pkt. 15 cts., 1/16 oz. 25 cts.

Blue Moon (New). See Page 5.

King of the Blacks. Velvety black-purple. Pkt. 15 cts., 1/16 oz. 25 cts.

Fire King. Fiery scarlet. Pkt. 15 cts., 1/16 oz. 25 cts.

Peachblossom. Soft peach-blossom pink. Pkt. 15 cts., 1/16 oz. 25 cts.

Shasta. Very large, pure white.

Scabiosa Caucasica (Blue Bonnet) perennial. Giant Hybrids (Isaac House Strain), fringed and ruffled, shades of blue from lavender to dark blue, very large flowers. Pkt. 15 cts., 1/16 oz. 25 cts.

SHASTA DAISY HP

Alaska. The Shasta Daisy, Alaska is a very large-flowering strain, the blooms measuring 4 to 5 inches across, with broad overlapping petals of purest white. One packet sows 12 feet of row. Pkt. 10 cts., 1/8 oz. 25 cts., 1/4 oz. 40 cts.

Double. Fringed petals on long, wiry stem. Pkt. 25 cts.

GIANT SNAPDRAGON—ANTIRRHINUM

The new varieties are so far superior to the old-time Snapdragon that really there is no comparison. The blooms are very much larger, are better shaped, and far more brilliantly colored. The plants bloom very freely over a long period.

Rust Proof Mixed. The largest advancement in raising Snapdragons is this new variety completely free of rust. Pkt. 20 cts., 1/16 oz. 35 cts.

Giants, Special Mixture. Embraces a magnificent assortment of the finest new varieties. Pkt. 10 cts., 3 pkts. 25 cts., 1/8 oz. 35 cts., 1/4 oz. 60 cts.

Empress. Rich velvety crimson, dark foliage. Pkt. 10 cts.

Gloria. Rich deep rose pink. Pkt. 10 cts.

Harmony. Terra-cotta orange, shaded rose. Pkt. 10 cts.

Silver Pink. Pearly pink self. Pkt. 10 cts.

Queen Victoria. Pure white. Pkt. 10 cts.

STATICE—SEA LAVENDER

Simata. Perhaps the prettiest of the various Everlastings, with long sprays of bright-colored paper-like flowers. The seeds are in the dried flower-heads which should be planted without separating, laying them flat instead of upright. Mixed. Pkt. 10 cts., 1/4 oz. 20 cts.

Suworowii (Russian). Bright rose spikes, 30 inches. Pkt. 10 cts.

Tatarica (Ineana). Small white flowers, 1 1/2 feet. Pkt. 10 cts.

Latifolia. Blue. Pkt. 10 cts.



Oriental Poppy



Sweet William

SCHIZANTHUS—POOR MAN'S ORCHID

Myriads of dainty blossoms like butterflies or tiny orchids crowd these delightful plants. In the garden or for pot culture they make very effective growth. The seed germinates readily, and the plants start flowering within a few weeks. They are fine for picking.

Dr. Badger's Strain of Hybrids. A beautiful collection of large flowered hybrids with dainty markings, chiefly in the lighter tones or pastel shades. Pkt. 10 cts.

Butterfly Mixture. Fine bright mixture, free flowering, compact pyramidal plants, 12 inches to 15 inches. 1 Pkt. 10 cts.

SAPONARIA

Ocymoides Splendens. Six inches. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers June-August. Pkt. 10 cts.

SAXIFRAGA

Perennial Species, Mixed. Pkt. 25 cts.

SEDUM

Coeruleum. 3 inches. Pale blue. Pkt. 25 cts.

TORENIA

Compact, erect plants; 12 inches tall. Fine for beds, borders or window boxes.

Fournieri. Blue with yellow throat. Pkt. 15 cts., 1/16 oz. 40 cts.

TUNICA

Saxifraga. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt. 15 cts.

STOCKS

Early Giant Imperial. Plants about 2 1/2 feet and having numerous spikes of very large, double, delightfully fragrant flowers. If sown in February or March, will produce plants that will bloom out-of-doors from midsummer till frost. **Finest Mixed.** Pkt. 15 cts., 1/8 oz. 50 cts.

Ten Week Stocks. Plants 18 inches high with fine spikes covered with lovely colored flowers. Pkt. 15 cts., 1/8 oz. 40 cts.

STRAWFLOWER OR EVERLASTING FLOWER

Much prized for durable bouquets and winter decoration. To dry, gather flowers when partly unfolded and hang, heads down, in a cool place. **Giant-flowering, Mixed.** Pkt. 10 cts., 1/4 oz. 20 cts.

SUNFLOWER—HELIANTHUS

Dwarf Red. Rich Chestnut Red tipped Yellow. 4 feet. Pkt. 10 cts., 1/2 oz. 15 cts.

Stella. Large golden yellow petals, small dark center. 4 feet. Pkt. 10 cts., 1/2 oz. 15 cts.

SWEET SULTAN (Centaurea imperialis)

Blooms of exquisite texture, possessing a delightful fragrance. The plants grow 2 feet tall and bear a profusion of elegant, long-stemmed flowers. Our mixture includes all the lovely colors belonging to this type. **Finest Mixed.** Pkt. 10 cts., 1/4 oz. 25 cts., 1/2 oz. 40 cts.

SWEET WILLIAM (*Dianthus barbatus*) HP

These make wonderful border plants, with heads of bloom of great size and wonderful beauty. Our mixture combines many rich and beautiful colors.

Single. The fine rounded trusses 3 to 4 inches across of these sorts are composed of many fine disc-like flowers gayly colored and marked. **Mixed. Pkt. 10 cts., 1/4 oz. 20 cts.**

Double. Quite similar in habit and form to the single type but the trusses are made up of many dainty double blossoms. Less showy than the single sorts but longer in flower. **Mixed. Pkt. 10 cts., 1/4 oz. 40 cts.**

Newport Pink. Salmon pink. **Pkt. 15 cts., 1/8 oz. 25 cts.**
Scarlet Beauty. Deep scarlet. **Pkt. 15 cts., 1/8 oz. 25 cts.**

SWEET WIVELSFIELD

Annual Sweet William. Sweet-scented. Its wealth of color and long blooming season makes it very desirable. **Pkt. 10 cts., 1/8 oz. 20 cts.**

VALERIAN—GARDEN HELIOTROPE HP

Perennial border plants; large flowers having a fragrance resembling that of the heliotrope. **Mixed. Height, 2 to 3 feet. Pkt. 10 cts., 1/4 oz. 25 cts.**

VENIDIUM—NEW AFRICAN DAISY

Fastuosum Hybrids. Beautiful assortment of pastel shades—buff, lemon, cream, light orange, white and butter-yellow; each petal blotched at the base. **Pkt. 15 cts., 1/16 oz. 25 cts.**

VERBENA

An excellent annual for beds and massing and for a gorgeous display during the summer months it cannot be excelled.

Mammoth Mixed. Pkt. 10 cts., 1/8 oz. 25 cts.

Dwarf Mixed. Pkt. 10 cts., 1/16 oz. 25 cts.

VERBENA—CRIMSON GLOW (New)

The flowers are pure, self-colored glowing Crimson, of good size, freely produced on plants which are semi-compact. Crimson Glow is a vivid Verbena and rounds out the color shades of the Verbenas. **Pkt. 15 cts., 1/16 oz. 25 cts.**

SIBERIAN WALLFLOWER HP

Very pretty dwarf hardy biennial plants, usually handled as annuals, flowering freely throughout the summer. For early spring flowering, sow in late summer. Splendid for rockery. Plants grow about 1 foot high, with heads of brilliant orange flowers. **Pkt. 10 cts., 1/8 oz. 25 cts.**



*Zinnia
Double Lilliput*

WILD FLOWER GARDEN

This mixture is valuable for sowing in bare spots, along fences and on embankments and will convert many an unsightly spot into a place of beauty. **Large Pkt. 10 cts., 1/2 oz. 15 cts., oz. 25 cts., 1/4 lb. 75 cts.**

TRITOMA—RED HOT POKER

Tall spikes topped by narrow, tubular, pale yellow to orange-red flowers closely arranged in shingle-like fashion. A stately plant for the border and cutting. August to October. 3 to 4 ft.

New Hybrids. Unusual colors—citron, yellow, orange, coral-red, etc. **Pkt. 15 cts., 1/8 oz. 40 cts.**

Zinnias

CROWN O' GOLD—DESERT GOLD (New)

A bicolor Zinnia comprising the deep and lighter shades of gold, each petal overlaid at the base with a deeper golden yellow. The flowers are large, double, well formed on generous stems. Plant 3 ft. tall. **Pkt. 15 cts., 1/16 oz. 25 cts.**

EARLY WONDER—GYPSY (New)

A dwarf early bloomer, 30 to 40 days, free blooming, deep rich burnished orange, medium sized flowers on long wiry stems, a good cut-flower. Desirable variety. **Pkt. 15 cts., 1/16 oz. 25 cts.**

FANTASY STAR DUST (New)

The shaggy ray-like petals are entirely different. A delicate graceful bloom of imposing appearance of a rich golden yellow. The plants are 2 1/2 ft. and early blooming. **Pkt. 15 cts., 1/16 oz. 25 cts.**

Fantasy (New). A bright colorful mixture of shaggy petaled medium sized double flowers. **Pkt. 10 cts., 1/16 oz. 25 cts.**

Scabious Flowered (New). Plants 2 1/2 feet bearing numerous medium sized flowers. Resembles annual Scabiosa. Described on Page 5. **Mixed colors. Pkt. 15 cts., 1/16 oz. 25 cts.**

DOUBLE LILLIPUT OR POMPON ZINNIAS

A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small densely double flowers on long stems, held well above the foliage. Make a good line or bed and are of more than usual value for cutting. **Finest Mixed. Pkt. 10 cts., 1/4 oz. 30 cts.**

DOUBLE DAHLIA-FLOWERED ZINNIAS

This type, the latest development in Zinnias, bears flowers of mammoth size and in form like a perfect decorative dahlia. As the result of continued painstaking care and selection, the size, form, and coloring have been much improved and we now offer seven beautiful and distinct varieties.

Exquisite. Pale rose, deeper center.

Purple Prince. Fine deep purple.

Crimson Monarch. Largest and best red.

Oriole. Immense; orange and gold.

Canary Bird. Fine; large; primrose.

Meteor. Deep rich glowing red.

Polar Bear. The best large pure white.

Pkt. 10 cts., 1/8 oz. 25 cts.

Dahlia-flowered Mixed, from the varieties named above. **Pkt. 10 cts., 1/8 oz. 25 cts., 1/4 oz. 50 cts.**

CACTUS-FLOWERED ZINNIAS

Mixed Colors. Large, attractive double flowers 3 to 4 in. across, with petals partially quilled or tubular. Mostly warmer shades, such as salmon, deep rose, old rose, russet, and dark red. 3 ft. **Pkt. 10 cts., 1/4 oz. 35 cts.**

CUT AND COME AGAIN ZINNIAS

Mixed Colors. A colorful blend of this popular bedding and cutting Zinnia. All of the above separate varieties are represented in proper proportion to make a most cheerful display. **Pkt. 10 cts., 1/4 oz. 25 cts.**

Spencer or Orchid-flowered Sweet Peas

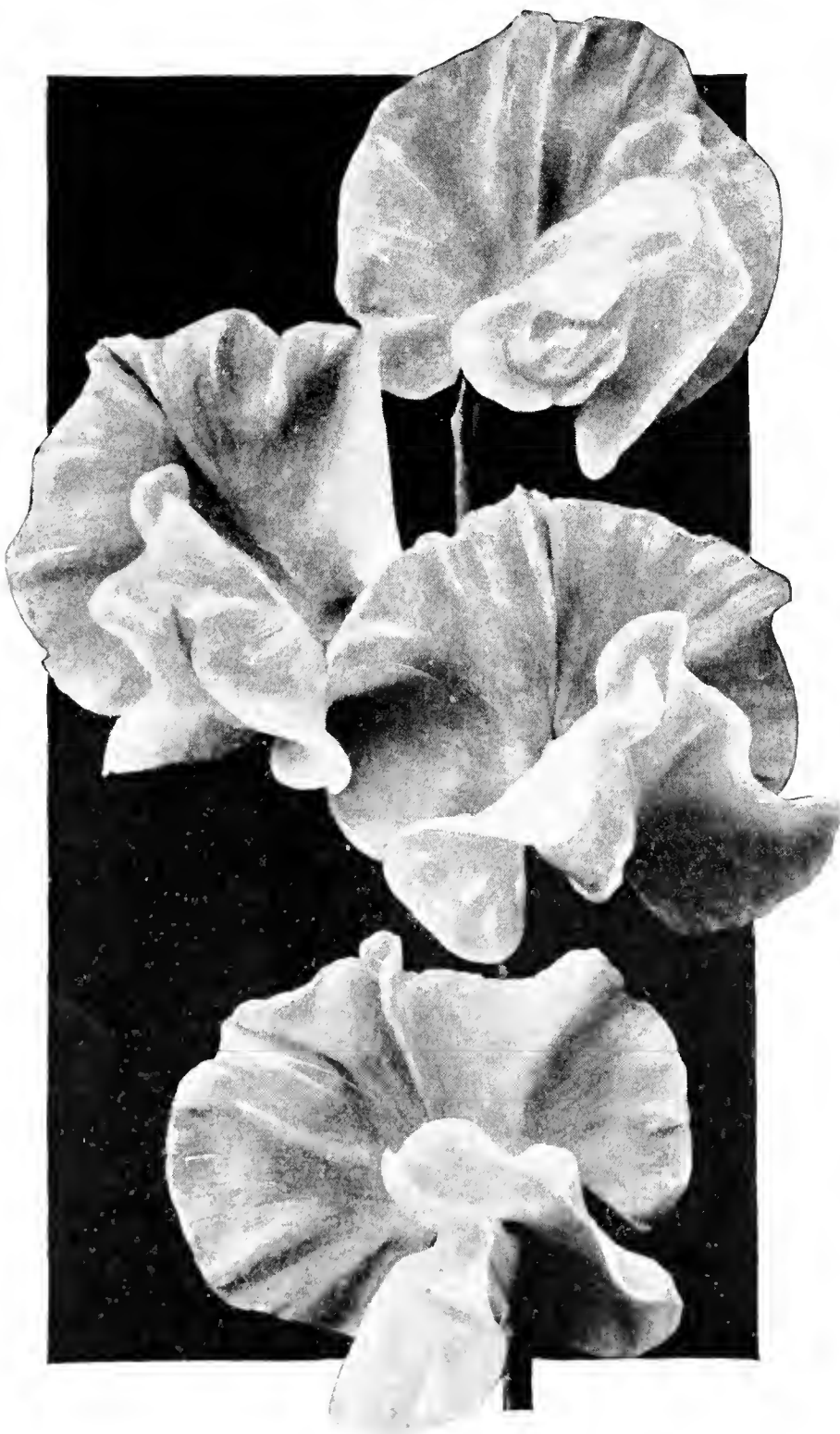
The best of the old-fashioned or Grandiflora varieties are now quite overshadowed by this wonderful type, which are quite distinct, having large, round, open flowers of extraordinary size, usually measuring 2 inches across, with wavy standards and wide-spreading wings, a very large percentage bearing four of these immense blossoms to the stem, which is long and strong, making them of exceptional value for cutting. All the sorts offered below have been thoroughly tested and are very superior in every respect.

It requires one ounce of Sweet Peas to sow 10 feet of single row.

Sometimes Sweet Pea vines are troubled with lice (Aphis). Spraying with Red Arrow or "Black Leaf 40" kills them quickly and does not injure the flowers.

SWEET PEAS

Are not injured by light frosts and may be planted as early in spring as the condition of the soil will permit.



Giant Spencer or Orchid-flowering Sweet Peas

SUMMER FLOWERING SPENCER SWEET PEAS

This strain includes the largest and most beautifully formed Sweet Peas, truly gigantic in size, measuring 2 to 2½ inches across. They are beautifully formed with huge standards, open and upright and immense wings gracefully poised. Both standards and wings are delicately waved. Three and often four handsome blossoms are borne on long, strong stems, rendering them available as cut-flowers for vases, bouquets and other decorations.

Avalanche. Very large white.

Celebrity. Bright orange.

Daffodil. Large, deep primrose.

Debutante. Salmon shaded coral.

Ecstasy. Vigorous blush pink.

Mrs. Tom Jones. Deep amethyst blue.

Olympia. Rich purple.

Pinkie. Largest size, rose pink.

Powerscourt. Large lavender.

Red Boy. Deep crimson.

Reflection. Best clear blue.

Smiles. Shrimp pink, shaded salmon.

Welcome. Brightest scarlet.

Each of above carefully selected varieties. **Large Pkt.** 10 cts., 1 oz. 20 cts., ¼ lb. 60 cts.

SUMMER FLOWERING SPENCER MIXTURE SWEET PEAS

Blended from only the Giant Waved Spencer varieties. We are sure this mixture will give absolute satisfaction. **Large Pkt.** 10 cts., oz. 15 cts., 2 oz. 25 cts., ¼ lb. 50 cts., lb. \$1.50, postpaid.

"Trial Grounds" Mixture, containing many varieties and colors. **Pkt.** 10 cts., 1 oz. 15 cts., ¼ lb. 30 cts.

Superb Spencer, Mixed. Blended from only choice selected colors of the better varieties. **Pkt.** 10 cts., 1 oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts., 1 lb. \$1.50, postpaid.

EARLY FLOWERING SPENCERS

This new class of early-flowering Spencer Sweet Peas is very popular with florists for greenhouse culture.

The flowers are of fine size on long stems. Grown in the open ground, they begin flowering fully four weeks sooner than the Summer-flowering Sweet Peas sown at same time.

EARLY FLOWERING SPENCER MIXTURE SWEET PEAS

It is impossible to make a better blend of colors than this even at much higher prices. In quality unsurpassed and very popular with our customers. **Pkt.** 10 cts., oz. 20 cts., 2 ozs. 35 cts., ¼ lb. 60 cts.

Inoculate Sweet Pea Seed with Nodogen. It Insures Germination and a Stronger Growth.

HARDY SWEET PEAS HP

Showy, free-flowering perennial. Blooms continuously from early spring until mid-summer. Although lacking fragrance, they are very valuable because they will last almost indefinitely. A very vigorous grower, often growing 8 to 10 feet. Soak seed overnight, sow ½ inch deep. **Pkt.** 10 cts., ¼ oz. 15 cts.

Gladiolus

DISTINCT NAMED VARIETIES

The Glad Flower in all its Glory. A selection of the better and distinct kinds of recent introduction.

Apricot Glow. Large early apricot pink.

Dr. Bennet. Scarlet, throat striped with ruby and white.

Betty Nuthall. Light coral, with pale orange throat.

Giant Nymph. Rose pink, yellow throat.

Golden Eagle. Clear yellow.

Mammoth White. Very large, pure alabaster white.

Mrs. P. W. Sisson. Immense ruffled soft pink.

Opalescent. Pale lavender with darker line in throat.

Picardy. Sensational flesh pink immense spikes.

Pfizers Triumph. Salmon-red with darker blotch.

Robin Hood. Deep pink.

Royal Lavender. Deep lavender.

Swaben Girl. Pure pink, self color.

Any of the above separate or in assortment. 5 cts. each, 50 cts. per doz., \$4.00 per 100.

POPULAR MIXTURE OF GLADIOLUS

Composed of high-grade varieties in mixture. A splendid lot of bulbs at very low prices. 6 for 15 cts., 30 cts. per doz., \$2.00 per 100.

SEMESAN

Treat your GLADIOLUS BULBS with Semesan, to prevent rotting in cold soils, to control thrips and other corn-borne diseases. $\frac{1}{3}$ oz. 10 cts., 2 oz. can 35 cts.

Naphthalene Flakes Treatment of Gladiolus Bulbs for Thrips

Sprinkle the flakes among the bulbs, using one ounce to one hundred bulbs, or about 1 lb. to a bushel of bulbs. The time of application may be either in the fall, during the winter or a week or two before planting in the spring, and suggest sprinkling the flakes in trench when planting, covering the flakes 1 or 2 inches and planting the bulbs on top in the usual manner. Lb. 15 cts. (postpaid 25 cts.) 5 lbs. or more 12 cts. lb.

If bulbs are wanted by parcel post, add 10 cts. extra for the first dozen and 1c extra for each additional dozen.

The Herb Garden

What a wonderful thing is the fragrance of an herb garden. Here we have it distilled and intensified for every plant is fragrant. One can easily understand why the old-fashioned herb garden is coming back, the mystery is why it ever disappeared.

ANISE

(*Pimpinella anisum*.) Annual, 12 to 18 inches tall; chiefly grown for aromatic seeds used in flavoring. (Not the same as Florence Fennel which is sometimes called sweet Anise.) Pkt. 5 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.



Dill



Sage

BASIL—SWEET

(*Ocimum basilicum*.) A hardy, aromatic annual. The seeds and stems have a strong flavor and are used in soups and sauces. Plant about 18 inches high, branching, with ovate toothed leaves; flowers white or bluish white in leafy terminal racemes or spikes. Pkt. 5 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

BORAGE

(*Borago officinalis*.) Coarse, hairy annual 2 feet tall; large thick leaves used as pot herb and for flavoring; blue flowers highly decorative and used for garnishing; good bee plant. Pkt. 5 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

CARAWAY

(*Carum carui*.) A well-known herb, cultivated for its seeds, which are used in confectionery, cakes, etc. The leaves are sometimes used in soups, for flavoring liquors, and for colic in children. Plant $1\frac{1}{2}$ to 2 feet high, with finely cut foliage and clusters of small, white flowers. Plants never seed till the second year. Pkt. 5 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

DILL—MAMMOTH

(*Anethum graveolens*.) Annual about 2 feet tall; of strong aromatic odor and mildly pungent flavor; chiefly grown for seed clusters used in making dill pickles. Pkt. 5 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

FENNEL—SWEET

(*Foeniculum officinale*.) Perennial usually treated as annual; 3 to 4 feet tall; of aromatic odor and sweet pungent flavor; seeds used for flavoring confections and medicines; differs chiefly from Florence Fennel in not having swollen leaf bases. Pkt. 5 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

LAVENDER

(*Lavandula spica*.) A hardy perennial growing about 2 feet high. It is used for the distillation of lavender water or is dried and used to perfume linen. It should be picked while still green and dried quickly. The seed is of rather slow and uncertain germination. Pkt. 5 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

MARJORAM—SWEET

(*Origanum majorana*.) An aromatic herb for seasoning. The young tender tops and leaves are used green in summer to flavor broths, dressings, etc.; they are also dried for winter use. Pkt. 5 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

ROSEMARY

(*Rosmarinus officinalis*.) A hardy perennial with fragrant odor and a warm, bitter taste. The leaves are used for flavoring meats and soups, and for medicinal drinks. Plants do not reach a size suitable for use until the second season. Pkt. 5 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

SAGE—BROAD LEAF

(*Salvia officinalis*.) Hardy, spreading perennial; 12 to 15 inches tall; of strong, pleasant aromatic odor and mildly pungent flavor; the most commonly used of all the herbs for seasoning. Pkt. 5 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.00.

SAVORY—SUMMER

(*Satureia hortensis*.) Annual about 15 inches tall; entire plant aromatic; very popular for seasoning. Pkt. 5 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

THYME

(*Thymus vulgaris*.) An aromatic perennial herb, 8 to 10 inches high, used principally for seasoning. Plant very branching with wiry foliage and small lilac flowers. Sow as early as the ground will permit. Pkt. 5 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.75, 1 lb. \$6.00.

SELECTED VEGETABLE SEEDS

Table Beets

Seed should be sown at the rate of one ounce to 100 feet of row. The rows should be spaced 18 to 24 inches apart. Work the soil well and cover the seeds about an inch deep. A rich sandy loam is most favorable, but nearly all types of soil will produce beets if sufficiently fertilized and properly tilled.

When the seedlings are about an inch tall it is well to thin them to about one-half inch apart.

ASGROW WONDER

(Gold Medal Winner.) Outstanding All-American selection and the finest extra early variety. Splendidly adapted for home garden purposes as well as for market; unsurpassed for color, tender and deep red all the way through, semi-flat, fine for bunching. Pkt. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.25.

PERFECTED DETROIT

All-American Selection. An early, round, dark red root, with medium foliage. It seems to have the color, shape, top and earliness desired in this type, cans red with no brown or purples, has no white rings and has a fine top for bunching. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.25.

DETROIT DARK RED

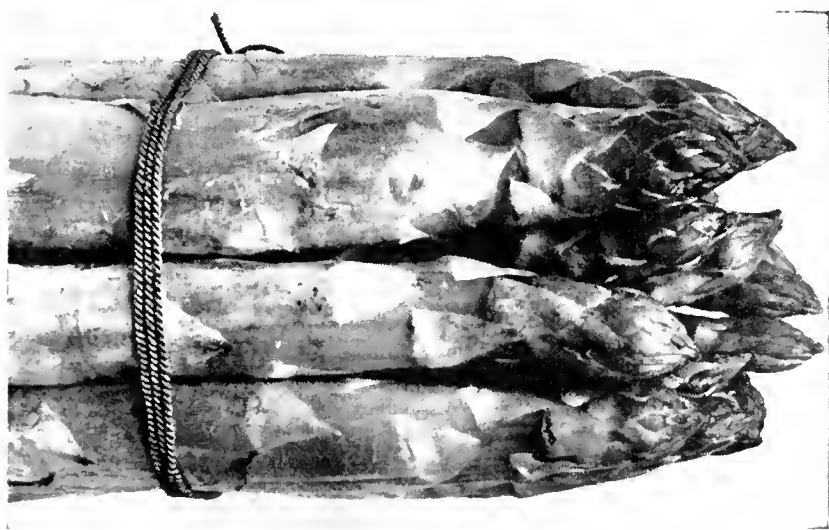
52 to 55 days. The standard of excellence in table beets for home and market garden, shipping and for canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap root; very dark blood-red. Interior very uniform in color, the zones so inconspicuous that the flesh seems to be one solid ball of dark blood-red meat; remains tender and of highest quality until roots are full grown. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.00.

CROSBY'S EGYPTIAN (ORIGINAL STRAIN)

50 to 55 days. Splendid home and market garden sort. Tops medium in size; collar small. Root flattened globe-shape, with small tap root; very dark purplish-red. Flesh deep purplish-red zoned with a lighter shade; crisp and tender. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.00.

GOOD FOR ALL BEET

52 to 55 days. Sometimes called "Rose Bud" or "Baby" Beet. Especially fine for canning and pickling whole at 1 1/4 to 1 1/2 inches in diameter. Roots smooth, even in size and shape, and almost perfectly globular; collar and tap-roots very small; interior deep crimson, free from white zones. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.



Asparagus, Mary Washington

Asparagus Roots

MARY WASHINGTON

Two year root, per 25 60 cts., per 50 \$1.00, per 100 \$1.75, per 1,000 \$13.00. Plant roots 18 to 24 inches apart.



Perfected Detroit

Mangel-Wurzel Stock Beets

The value of Mangels for stock-feeding is clearly seen in the improved health and condition of the animals, the increased flow and quality of milk from cows, and the saving in fodder. They yield enormously and can be grown at trifling cost. About one-fourth of the daily rations should be of roots. They are also excellent feed for poultry being a valuable egg-producer.

GOLDEN TANKARD

Heavy cropper; easily harvested. Roots large, thick oval, nearly cylindrical; light gray above, deep orange below ground; flesh yellow with white zones. Pkt. 5 cts., 1 oz. 10 cts., 1/4 lb. 20 cts., 1 lb. 50 cts.

MAMMOTH LONG RED

Roots very large; long, straight and thick; grow 1/3 to 1/2 out of ground; light red; flesh white tinged with rose. Pkt. 5 cts., 1 oz. 10 cts., 1/4 lb. 20 cts., 1 lb. 50 cts.

GIANT HALF SUGAR ROSE TOP

Roots long oval, tapered; grayish-white with rose-colored shoulder; flesh white, rich in sugar. Pkt. 5 cts., 1 oz. 10 cts., 1/4 lb. 20 cts., 1 lb. 50 cts.

Artichoke

Seed may be planted during March or April. When large enough to transplant, they should be set in rows about 4 feet apart and about 2 feet apart in the row.

GREEN GLOBE

Plants of medium height with large thistle-like medium deep green foliage. The edible buds or flower heads are deep green, globe-shaped or ovoid. The fleshy bud scales, moderately broad and full at base, are regarded as a delicacy. Pkts. 5 and 10 cts., 1/2 oz. 30 cts., 1 oz. 50 cts., 1/4 lb. \$1.50.

Asparagus

1 Ounce for 50 Foot Drill; 4 Pounds to Acre

MARY WASHINGTON

Mary Washington has proven to be highly rust resistant, hardy and productive. The shoots are long, straight, thick, and heavy; dark green the entire length, except tinted darker at the tips. Pkts. 5 and 10 cts., 1 oz. 15 cts., 2 oz. 25 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Beans

Plant beans after all danger of frost is past, in warm, dry well-prepared soil. The rows should be 2 to 3 feet apart and the seeds covered $1\frac{1}{2}$ to 2 inches deep. Thin the young plants to 3 to 6 inches apart in the rows.

For succession, plant every 2 weeks until mid-summer. Frequent picking of the crop insures long bearing. Two pounds of seed sow 100 feet.

Ask for quantity prices on beans

We do not pay postage on Beans (except packets). If ordered by parcel post, add 10 cts. extra for first pound, and 1c for each additional pound.

Dwarf or Bush, Wax Podded PENCIL-POD BLACK WAX

52 days. The meatiest, crispest, most brittle, and entirely stringless Bean grown—the one “Best Bean.” It is early, prolific under all conditions, and can be grown for early spring, midseason, and late canning markets. The seed is shining blue-black; the pods are large— $5\frac{1}{2}$ to 6 inches long—round, nearly straight and crease-backed, free from fiber, fleshy and brittle, of the highest quality and of a clear yellow color, cooking with a delicious flavor. The bushes are dwarf, prolific, and sure croppers. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

ROUND POD BRITTLE WAX

52 days. The acme of quality in Wax Beans. Early and very productive on good soils, bearing long, round, golden yellow pods, brittle and stringless at all stages. Seeds white with brownish black eye. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 30 cts., 5 lbs. \$1.25, 10 lbs. \$2.25.

WEBBER OR “CRACKER JACK” WAX

49 days. Flat podded. Pods long, straight and stringless. Brittle pods 6 to $6\frac{1}{2}$ inches long. Color of pod is decided yellow. Seed yellow, kidney shaped. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

IMPROVED GOLDEN WAX (RUSTLESS)

49 days. Much used for canning. Plant small, productive. Pods very attractive; golden yellow; $4\frac{1}{2}$ -5 inches long; $\frac{1}{2}$ inch wide, thick, oval; fleshy, brittle, stringless; very prolific. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

UNRIVALLED WAX

55 days. Both plant and pod are free from rust and blight. Pods semi-flat but fleshy; brittle, stringless and tender. Pkts. 5 and 10 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

SURE-CROP STRINGLESS WAX

Sometimes sold as Bountiful Wax

53 days. The pods average 6 to 7 inches long, are very meaty, flat but thick through. Pkts. 5 and 10 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

Dwarf or Bush, Green Podded GREEN BUSH BEAN PLENTIFUL

(All-American Award 1939)

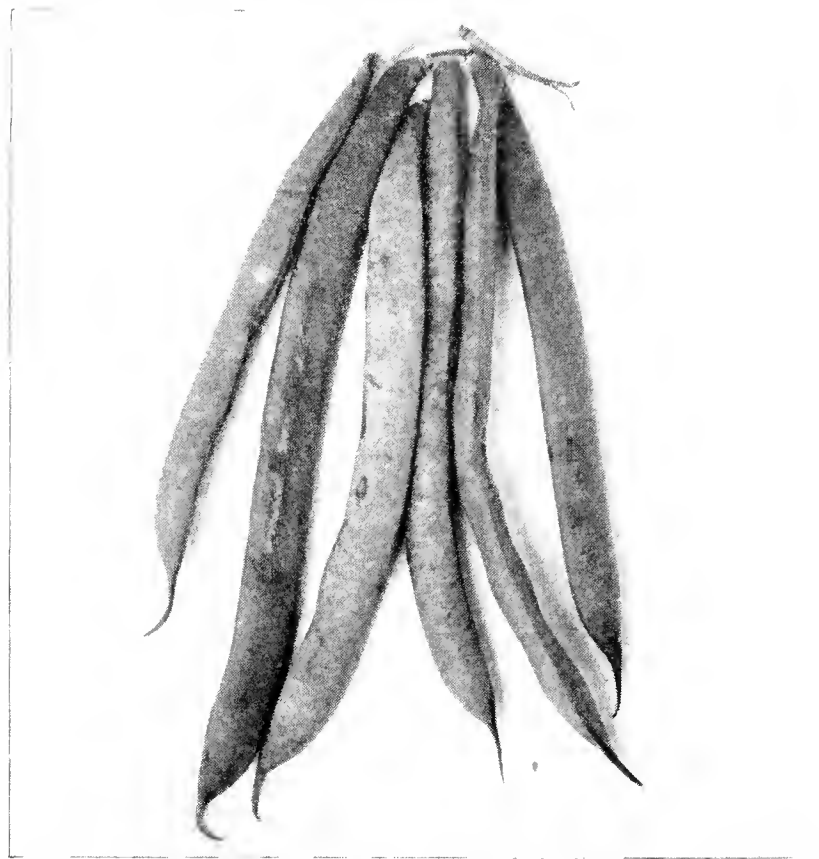
Medium, green podded, black seeded bush bean with long straight FLAT PODS produced on strong heavy bushes carrying plenty of beans. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

BURPEE'S STRINGLESS GREEN POD

52 days. High quality for home and market garden. Plant large, thrifty, heavily productive. Pods medium green; $5\frac{1}{2}$ inches long, almost $\frac{1}{2}$ inch wide and equally thick; very fleshy; strictly stringless, fine grained, tender. Seeds coffee brown. Similar to Giant Stringless Green Pod and Full Measure but pods a trifle shorter and thicker. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

BOUNTIFUL GREEN POD

48 days. Large flat pods of rich green and ready for the table about six weeks after sowing. Tender, delicious, and stringless. One of the best early green beans. Pkt. 10 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.



Tendergreen

TENDERGREEN BEAN

A Better Stringless Green Pod

54 days. This new variety has proved to be one of the very best green beans with round pods. The pods are long, rather slender, light green, round as a pencil, stringless and of a very high quality, being unusually tender and delicious when cooked. Market gardeners find it a very profitable bean to grow. Is early in production and handsome in appearance and of high quality and yield. Pkts. 5 and 10 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

RED VALENTINE

52 days. Plant medium sized, erect, compact, hardy. Pods medium green; $4\frac{1}{2}$ -5 inches long; $\frac{3}{8}$ inch thick; wider than thick; very slightly stringy; extremely fleshy; brittle. fine grained, tender. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

DWARF HORTICULTURAL BUSH BEAN

Snap pod 54 days; green shell beans 60 days. Plant medium small, thrifty and productive. Pods dark green at snap stage, $5\frac{1}{2}$ inches long; $\frac{5}{8}$ inch wide and flat. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

STRINGLESS REFUGEE

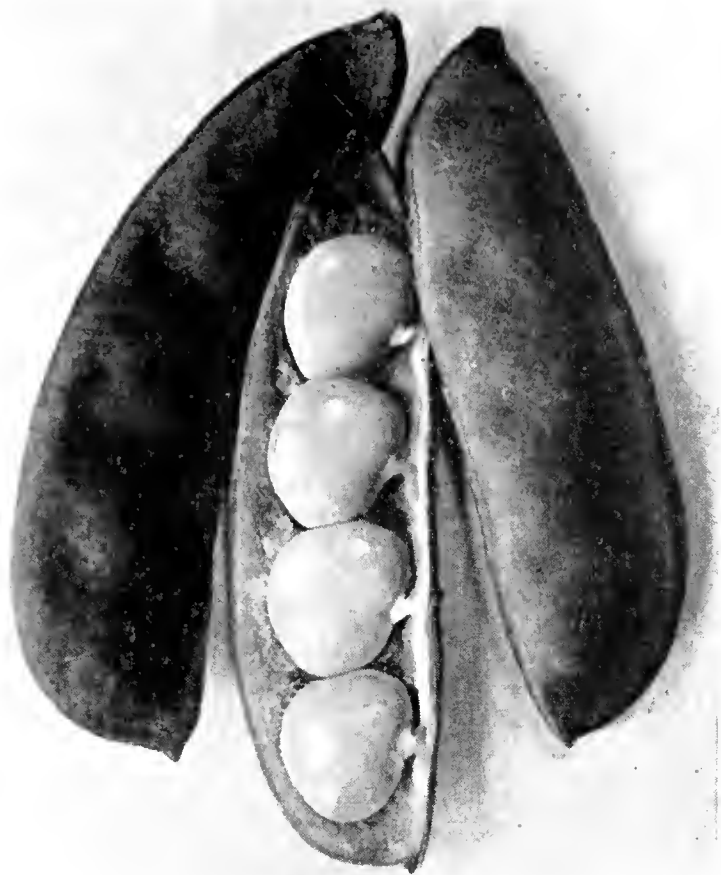
70 days. Pods medium green, very uniform, $5\frac{1}{2}$ inches long, $\frac{3}{8}$ inch thick, round; absolutely stringless, very fleshy, brittle and fine grained. Seeds dark violet-purple splashed with buff. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

GIANT STRINGLESS GREEN POD

54 days. Plant large, hardy, heavily productive. Pods medium green. $6\frac{1}{2}$ inches long; $\frac{3}{8}$ - $\frac{7}{16}$ inches thick, round; very fleshy, brittle and stringless. Seeds glossy yellowish-brown. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

BROAD WINDSOR LONG POD

(Also known as Fava Bean and as Horse Bean; not a kidney bean.) Late. Valuable for green shell use. Plant very large and erect, strictly bush. Pods glossy green; 5 inches long, $1\frac{1}{4}$ inches broad, stout; 3 seeded; smooth. Green shell beans large, broad, flat, light green. Dry seeds very large; circular, flat; pale reddish-brown with black eye. Pkt. 10 cts., 1 lb. 40 cts., 10 lbs. \$3.25.



Fordhook Bush Lima

Bush Lima Beans BURPEE'S IMPROVED BUSH

75 days. This strain of Burpee's Bush Lima has beans of larger size and deeper green color than the old strain and the vines are more true to the bush, forms with fewer runners. The beans are both larger and thicker than the old form and the pods are also larger. Pods $4\frac{1}{2}$ to 5 inches long, $1\frac{1}{8}$ inches wide, $\frac{3}{8}$ inch thick. Usually contain 4 large, thick beans. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 30 cts., 5 lbs. \$1.25, 10 lbs. \$2.25.

FORDHOOK BUSH LIMA (POTATO LIMA)

75 days. Plant large, erect, heavily productive. Pods 4 to $4\frac{1}{2}$ inches long; stout, $1\frac{1}{8}$ inches wide, $\frac{1}{2}$ inch thick; contain 3 to 4 seeds. Green shell beans large, very plump, of the highest quality. Those who prefer the thick potato Limas will find this strain far superior to any other. It is the most profitable variety to raise for market when the beans are sold in the pods. Dry beans large and very plump. Seeds white. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 30 cts., 5 lbs. \$1.25, 10 lbs. \$2.25.

HENDERSON'S BUSH

(Baby Lima.) 65 days. Very popular for canning. Plant medium large, heavily productive. Pods small; 3 inches long, $\frac{7}{8}$ inch wide, $\frac{1}{4}$ inch thick; contain 3 to 4 seeds. Green shell beans small, flat, of splendid quality. Dry beans white. This is the bush form of Small White Lima (Carolina or Sieva). Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.15, 10 lbs. \$2.00.

Pole Lima Beans KING OF THE GARDEN

88 days. Splendid climber, heavily productive. Pods 6 inches long, $1\frac{1}{4}$ inches wide, $\frac{3}{8}$ inch thick; straight, with 4-5 beans. Seeds large. Thick, flat, white. An improved form of Large White Lima. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.15, 10 lbs. \$2.00.

LARGE GREEN SEEDED

84 days. Seed of a decided green tinge, that is, not bleached ivory-white. Unsurpassed in flavor, of superior quality averaging 4 to 5 beans to the pod, which are $4\frac{1}{2}$ to $5\frac{1}{2}$ inches long. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.15, 10 lbs. \$2.00.

SEIBERT'S EARLY LIMA

80 days. Early and dependably productive for home, mar-

ket garden, and for canning. Pods 5 inches long, $1\frac{1}{8}$ inches wide, $\frac{3}{8}$ inch thick. Seeds large, thick; white. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 30 cts., 5 lbs. \$1.15, 10 lbs. \$2.10.

Pole or Running Beans KENTUCKY WONDER (OLD HOMESTEAD)

65 days. Unexcelled for home and market garden. Excellent climber, thrifty, heavily productive. Pods medium green; 9 to 10 inches long, nearly round and $\frac{1}{2}$ inch in diameter; slightly stringy, very fleshy, brittle, tender; seeds dun-colored. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

KENTUCKY WONDER WAX

67 days. Good climber, heavily productive. Pods wax yellow; 8 inches long, $\frac{5}{8}$ inch wide, almost as thick as wide; practically stringless; fleshy, brittle, tender; seeds chocolate brown. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

LAZY WIFE POLE BEANS

74 days. Excellent for snaps, green shell and dry shell beans for home and market garden. Good climber, heavily productive. Pods medium green; $6\frac{1}{2}$ inches long, $\frac{3}{4}$ inch wide, thick, straight, fleshy, stringless, brittle, tender; seeds plump, white. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

LONDON HORTICULTURAL OR SPECKLED CRANBERRY

Snaps 70 days; green shell beans 80 days. Good climber. Pods 6 inches long, $\frac{5}{8}$ inch wide, thick, straight, stringless; dark green at snap stage, yellowish-green splashed with violet-red at green shell stage. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.20, 10 lbs. \$2.25.

GOLDEN CLUSTER WAX

Long, broad, deep yellow pods of finest quality; bean white, pods often 7 inches long and an inch broad. Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.20, 10 lbs. \$2.25.

Field Beans

Dwarf or Bush, Green Podded

The following varieties of beans are used for baking, soups, etc., and are grown extensively as field crops. These beans should be planted in rows 28 to 30 inches apart, dropping the seed about 10 to the foot of row. A pound will plant from 100 to 150 feet of row, depending upon the size of the beans.

LARGE WHITE MARROW OR MOUNTAIN

Ripe in 100 days. High quality large bean for use dry. Plant large with tendency to form runners; very vigorous and productive. Pods $5\frac{1}{2}$ inches long. Dry beans medium large, white. $\frac{1}{2}$ lb. 10 cts., 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.

WHITE KIDNEY

Ripe in 100 days. High quality large bean for use dry. Plant large with tendency to form runners; hardy, heavily productive. Pods $6\frac{1}{2}$ inches long. Beans long kidney shape; white. $\frac{1}{2}$ lb. 10 cts., 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.

RED KIDNEY

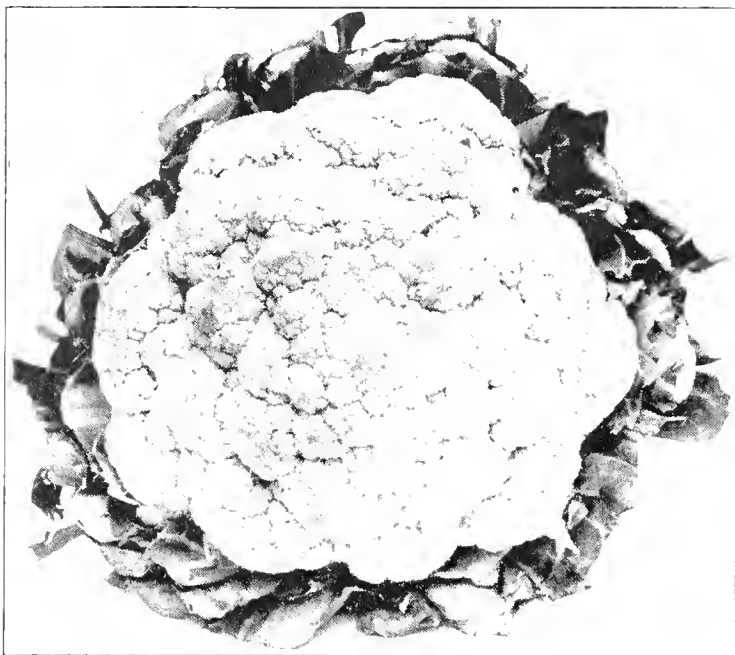
Large red, kidney shaped beans. Yields heavily on strong land. Considered one of the most profitable beans to raise for market. $\frac{1}{2}$ lb. 10 cts., 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.

YELLOW EYE

Medium size white beans with yellow spot or "eye." It produces large crops and matures early and is less subject to the diseases which often attack other kinds. $\frac{1}{2}$ lb. 10 cts., 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.

ROBUST PEA BEAN

An improved strain of Marrow Pea Beans which resists the Mosaic disease that is often very destructive. The beans are small, round and pure white, and of good quality. 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.



Super Snowball

Cauliflower

For many years cauliflower has been considered one of the most delicious vegetables, but until lately it was thought to be hard to grow. However, it is now known that the same methods that produce good cabbage will grow good cauliflower. The only great difference in culture is that cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. This is most easily accomplished by gathering the tops of the leaves together loosely as soon as the heads begin to form. In shutting off the light, it is important not to cramp the heads.

SUPER SNOWBALL

Stands out as the most valuable Cauliflower. In the tests of the Pennsylvania State College it appeared as the best of all strains. It is early, heads forming all at one time, uniformity of size, shape and type. Round, pure white heads. Of highest quality. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.25, 1 oz. \$2.25.

SNOWDRIFT

A new, early variety which makes a larger head than Snowball. The head has unusual depth, is of fine texture, and blanches very easily. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{2}$ oz. \$1.10, 1 oz. \$2.00.

EARLY SNOWBALL

52 days. The best for greenhouse forcing, early market and shipping. Plants very dwarf. Heads snow white; deep, smooth, compact; about 6 inches across and weigh $1\frac{1}{2}$ to 2 lbs.; the standard of excellence in cauliflower. This is undoubtedly the finest variety ever introduced; it is the earliest and produces beautiful heads. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{2}$ oz. 90 cts., 1 oz. \$1.75.

DANISH GIANT—DRY WEATHER

65 days. Dependable variety to plant at the same time as Early Snowball, the crop being ready when Snowball has been harvested; one of the most dependable in adverse, dry weather. Plants dwarf, short stemmed; larger than Early Snowball. Heads large; 6-7 inches across commonly weigh 2 lbs., white with tinge of cream; of splendid quality. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{2}$ oz. 90 cts., 1 oz. \$1.75.

Brussels Sprouts

Half dwarf. Plants grow 30 inches tall; very dependable. Stems well covered with small firm cabbage-like balls $1\frac{1}{2}$ inches in diameter which mature in succession. They are successfully grown wherever conditions are favorable for late cabbage and require the same method of culture. Pkts. 5 and 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Broccoli (Calabrese)

ITALIAN GREEN SPROUTING

Belongs to the cauliflower family and produces a central head which when cut out allows side sprouts to grow up and head. These heads are also cut allowing a third crop of sprouts to grow out and head. Deep green when ready to use. Pkt 10 cts., $\frac{1}{2}$ oz. 25 cts., 1 oz. 40 cts.

Cress

CURLED OR PEPPER GRASS

Very hardy, fast growing annual which produces in a few weeks a good supply of attractive, finely curled dark green foliage which is splendid for garnishing and of a pleasant pungent flavor. The plant is decorative. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts.

WATER CRESS

50 days. A favorite dressing for dishes and a desirable form of Greens. Will only thrive well when the roots are submerged in water, grows best along banks of small running streams. Pkts. 5 and 10 cts., 1 oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

Corn Salad or Fetticus

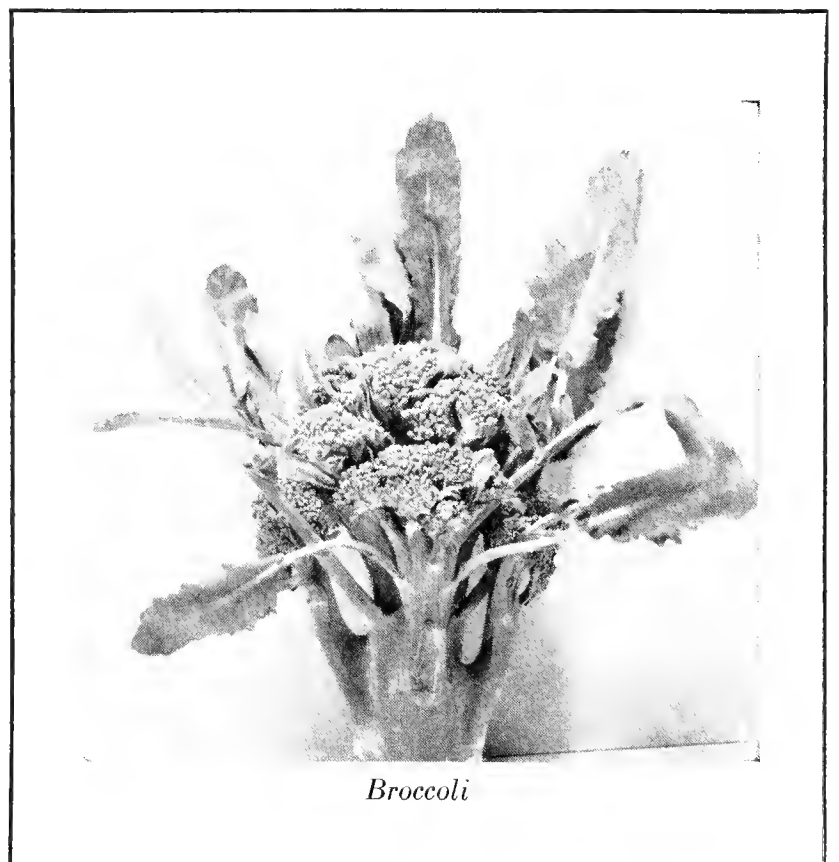
LARGE SEEDED—BROAD LEAVED

A small, quick-growing salad plant. The leaves are used as a substitute for lettuce and spinach. In fall, sow the seed in shallow drills. The plants will also do well if the seed is sown early in spring. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts.

Chicory

WITLOOF OR FRENCH ENDIVE

The carefully trimmed roots when buried upright in damp sand and given the proper conditions each produce a handsome compact cluster 4-5 inches long of blanched leaves which are tender and have a rich, mildly acid flavor. Pkts. 5 and 10 cts., 1 oz. 25 cts., $\frac{1}{2}$ lb. 75 cts.



Broccoli

Carrots

Carrots contain large amounts of those elements which the human body needs for health and strength. They require about the same simple care as beets, they have no serious insect enemies, and they are rarely attacked by disease. Since freshly manured soil often causes divided roots, it is best to plant them in soil that has been richly fertilized the previous season. Plant the seed one-half inch deep in loose, well prepared soil, making rows 16 to 24 inches apart. Cultivate as soon as the plants are well established and thin to 2 or 4 inches in the row according to the size of the variety. Plantings may be made from early spring until mid-June. For winter storage the later date is advisable.

RED CORED CHANTENAY

70 days. New and very greatly improved selection. Identical in size and form with the Chantenay but its deep orange-red color goes through to the very center. The yellow rind usually found around the core of carrots has been bred out in this new variety and a much sweeter, richer flavor has been acquired. enough to fully establish its superiority. The superb color, fine quality, crispness and heavy yield all combined will undoubtedly make this the most popular carrot variety on the list as soon as it becomes known. Pkts. 5 and 10 cts., oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.25.

THE NEW IMPERATOR

77 days. New. All-American Selection, Award of Merit Winner. Remarkable introduction which fills the great demand for a longer Carrot than Chantenay but with the quality of this short-rooted variety. Imperator has attractive roots, 7 to 8 inches long, slightly tapering, sloping shoulders and just enough top to bunch well; a little longer root than Danvers. Imperator color is deep solid orange from the exterior all through to the middle of the root. It is prolific and of high quality, brittle, tender, sweet and delicate in flavor. We recommend this outstanding Carrot for home gardeners, truckers and shippers. Pkts. 5 and 10 cts., oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.25.

DANVERS—HALF LONG

75 days. Very productive and popular for home and market garden; much used for shipping. Roots bright deep orange, 6 to 8 inches long, 1 3/4 inches thick, uniformly tapered to the blunt end. Flesh bright orange, crisp and tender. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.00.

MORSE'S NEW BUNCHING

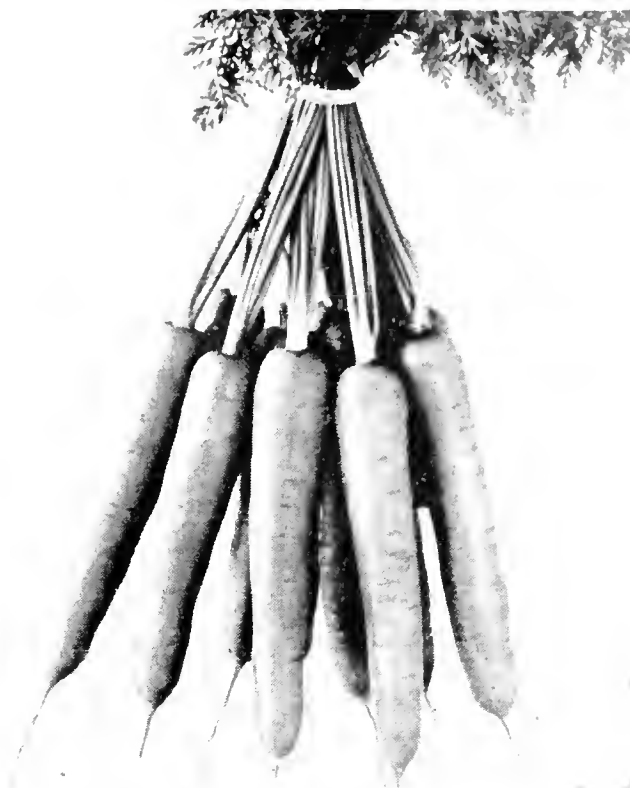
72 days. Gold Medal. Cylindrical, half-long carrot, of ideal size and shape for bunching. Color is a fine deep orange throughout with a small, indistinct core. Tops are short, rather bushy and strong but not coarse at the neck. Quality is fine and flesh is tender and sweet. This was developed as a bunching carrot for market and long distance shipping and makes a splendid appearance. It is equally as desirable in the home garden, just the right size and shape that appeals. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

SCARLET NANTES OR CORELESS CARROT

70 days. Because of the delicate texture of the roots this carrot is often referred to as "Coreless." It is half-long and stump-rooted, averaging from 6 to 7 inches in length when mature. The flesh is very fine grained, absolutely without any woody heart or core. The color of the flesh is a rich red-orange and its flavor is of the finest. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

CHANTENAY

70 days. Splendid general purpose carrot; much used in home and market garden and for shipping bunched. Extensively grown for winter storage. Dependably heavy yielder. Roots deep reddish-orange; thick at top; tapered; stump-rooted; flesh deep orange. A most excellent, medium early half-long variety. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.00.



Morse's New Bunching

OX-HEART OR GUERANDE CARROT

75 days to produce roots of good table size. Especially desirable for field culture on heavy soil; good keeper and much used for stock feed. Roots scarlet-orange; broad, blunt, heart-shaped; become 4 1/2 to 5 inches long; easily harvested. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.00.

WHITE BELGIAN

90 days. Late; heavily productive; grown for stock. Roots 8 to 10 inches long, 3 to 4 inches thick at the top; tapered; pointed. 1 oz. 10 cts., 1/4 lb. 30 cts., 1 lb. 90 cts.

Mustard

SOUTHERN GIANT CURLED

Very hardy and the most popular for greens. Leaves large and wide, bright green and very curly on the edges. The plant, although slightly spreading, is quite upright in growth. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. 90 cts.

Celeriac

LARGE SMOOTH PRAGUE

Turnip-rooted celery. Roots 3 to 4 inches in diameter; globular; fairly smooth; stalks hollow, dark green. Pkts. 5 and 10 cts., 1 oz. 20 cts., 2 ozs. 35 cts., 1/4 lb. 65 cts.

Chives

(Allium Schoenoprasum.) Small perennial of the onion family; readily propagated from seeds; leaves used in salads and for flavoring soups and stews; flowering plant is decorative. Pkts. 5 and 10 cts., 1/4 oz. 25 cts., 1 oz. 70 cts.

Collards

GEORGIA SOUTHERN OR CREOLE

Non-heading form of the cabbage family very generally grown for greens in home and market gardens in the South. Plant 2 to 3 feet tall, erect, spreading, and with numerous large leaves; forms at the top a loose cluster or head of tender leaves. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 50 cts.

We Recommend VIGORO, the Complete Plant Food, to All Home Gardeners!

CABBAGE

First Early Cabbage

For early cabbage, plants may be started indoors or under glass as early as March 1st. They should be spaced 3 inches apart each way when pricked out into boxes and should be gradually hardened off by exposure to cooler outdoor conditions. Transplant in the open as soon as the ground can be properly prepared. No better seed is obtainable than our pure bred strains.

One ounce of Cauliflower or Cabbage
Seed will make 3,000 plants

GOLDEN ACRE

60 days. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 inches in diameter and weigh 3 lbs. This is similar to Copenhagen Market but is several days earlier and the heads are smaller. It is earlier than Early Jersey Wakefield. Pkts. 5 and 10 cts., 1 oz. 30 cts., 1/4 lb. \$1.00, 1 lb. \$3.50.

COPENHAGEN MARKET

66 days; distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm with firm outside leaves. Interior clear white and of excellent quality. Pkts. 5 and 10 cts., 1 oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.50.

EARLY JERSEY WAKEFIELD

62 days. Extremely early variety; very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing very close planting; stem short. Heads conical, usually 7 inches long, 5 inches thick near base, firm and weigh 2 to 2 1/4 lbs. Pkts. 5 and 10 cts., 1 oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.25.

Second Early and Intermediate Cabbage

MARION MARKET ("YELLOWS" RESISTANT)

A round, solid-headed, crisp-leaved Cabbage that will produce a crop on "yellows"-infected soils where non-resistant strains fail completely. Pkt. 10 cts., 1 oz. 30 cts., 1/4 lb. \$1.00, 1 lb. \$3.50.

EARLY DWARF FLAT DUTCH

71 days. Splendid for home and market garden. Plants small and compact; stem short. Heads almost ball-shaped; commonly 7 to 8 inches in diameter, 6 inches deep and weigh 4 1/2 to 5 lbs.; firm and of high quality. Pkts. 5 and 10 cts., 1 oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.25.

EARLY WINNICSTADT

77 days. Very hardy and dependable. Heads extremely firm; heart-shaped; become 8 to 10 inches long and 6 to 7 inches thick near base, and weigh 5 lbs.; of splendid quality. Every plant forms a good head. Pkts. 5 and 10 cts., 1 oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.25.

GLORY OF ENKHUIZEN

73 to 80 days. Particularly valuable for kraut. Heads very large; globular; 8-9 inches in diameter; firm; commonly weigh 8 to 10 lbs.; stem medium short. Only a week or ten days later than Copenhagen Market. Pkts. 5 and 10 cts., 1 oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.25.

NOTE—Slug Shot kills cabbage worms absolutely.
Can be used without danger. Lb. 25 cts. (postpaid 30 cts.), 5 lbs. 85 cts. (postpaid \$1.00).



Penn State Ball Head

ALL SEASONS

90 days. Splendid general purpose cabbage; good winter keeper; widely used for kraut; remarkably thrifty in hot dry weather. Heads large; commonly 10-11 inches across, 8 inches deep and weigh 9 to 10 lbs. of splendid quality; a heavy yielder. Pkts. 5 and 10 cts., 1 oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.25.

Autumn and Winter Cabbage

THE HOUSER

An extremely late vigorous type of late flat Dutch somewhat resistant to yellows. Pkts. 5 and 10 cts., 1 oz. 30 cts., 1/4 lb. \$1.00, 1 lb. \$3.50.

DANISH BALL HEAD SHORT STEM

83 days. Danish Ball Head is the best late cabbage offered to the trade. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8-9 inches across, 6-7 inches deep and weigh 7 to 9 lbs. Very firm and solid, of excellent quality and keep perfectly in storage until late spring. Pkts. 5 and 10 cts., 1 oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.50.

HOLLANDER

100 days. A high class cabbage of the Ball Head type. Plants medium small, allowing closer planting than any other late cabbage; short stemmed; erect and compact; extremely hardy. Heads spherical; 6 1/2 to 7 inches in diameter, weight 6 to 7 lbs.; remarkably firm and solid, of splendid quality, and keep perfectly in storage until late spring. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.20, lb. \$4.00.

PREMIUM LATE FLAT DUTCH

105 days. The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large and flat; but deep; become 12-14 inches across, 7 inches deep and weigh 12 to 14 lbs. or more; firm and of good quality. Pkts. 5 and 10 cts., 1 oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.25.

PENN STATE BALL HEAD

(Original Strain)

A new development of shipping cabbage. A variety developed by the Division of Plant Breeding of Pennsylvania State College and Experimental Station. Penn State Ball Head shows records of over 20 tons per acre. This extra tonnage, combined with fewer cracked heads and better storage quality placed Penn State Ball Head in a class of its own. Pkt. 10 cts., 1 oz. 30 cts., 1/4 lb. 90 cts., 1/2 lb. \$1.75, 1 lb. \$3.00.

WISCONSIN No. 8 ("YELLOWS" RESISTANT)

105 days. Splendid, late cabbage for storage, shipment and kraut manufacture. The heads are large, globular to flattened globe shape, very firm; weigh 7 to 9 lbs., of excellent quality. Pkts. 5 and 10 cts., 1 oz. 25 cts., 1/4 lb. 85 cts., 1 lb. \$2.50.

CABBAGE—LATE—Continued

MAMMOTH ROCK RED

90 days. The best red cabbage; splendid winter keeper. Heads round to slightly flattened globe shape; commonly 7 inches in diameter and weigh about 7 pounds; very hard; deep purplish-red. Every plant will produce a good head under favorable conditions. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.50.

SAVOY—CHIEFTAIN

Another All-America winner this year. The well-formed, firm heads are medium in size. It is earlier than most other varieties of Savoy Cabbage. If you are fond of the crispness and mild flavor of this type of cabbage, you will find Chieftain outstanding in uniformity and quality. Pkt. 10 cts., oz. 50 cts.

Chinese Cabbage

Combines the qualities of both celery and cabbage and is highly prized as a salad vegetable. Plant seed out of doors at the same time as turnip. Thin 12 to 16 inches apart in the rows. If planted too early, this species will "bolt" during hot weather and fail to form heads.

CHIH LI

Early and very sure heading. Head becomes 18-20 inches tall, 3½-4 inches thick, tapered near tip, very firm, well blanched, crisp, tender and sweet. Superior to Chinese Improved or Pe Tsai. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.50.

WONG-BOK

Heads 8-10 inches tall; broad; firm. Well blanched, tender and of excellent quality. Has become popular for market. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.50.

Celery

Our Stock is the Choicest Available

For the earliest crop start the seed in a hotbed or in the house during February or March. For the fall or main crop, sow the seed in the open ground as early in the spring as the soil can be worked into good condition. They will be ready for setting in rows in July. Celery requires a rich, well-manured soil and plenty of moisture so that it can make a continuous growth. One ounce sown in the seed-flat gives 8,000 to 10,000 good strong plants.

NEW

Golden Giant Pascal. 1 oz. \$2.00.

Non Bolting Balling Celery. 1 oz. \$2.00.

Crispheart. 1 oz. \$2.00.

EMPEROR OR FORDHOOK

130 days. A fine keeping Celery for fall and winter use. Of compact growth averaging 18 inches in height, with unusually thick white stalks and a pale yellow heart. Very crisp and brittle, never showing any signs of strings. Famous for its delightful nutty flavor. Pkts. 5 and 10 cts., 1 oz. 40 cts., 2 ozs. 70 cts., ¼ lb. \$1.25, 1 lb. \$4.50.

MORSE'S MASTERPIECE (New)

(1939 Introduction)

Morse's Masterpiece matures in 80 to 90 days from date of setting plants and is as early as most of the self-blanching strains now in use. Under ordinary conditions, it grows to a height of 24 to 26 inches. Stems 8 to 9 inches long are very thick, comparatively broad, with rounded edges, and almost free from strings. They are very crisp and fleshy and have that rich nutty flavor so highly prized. Commercial growers will find this a high-yielding, easy-blanching celery for immediate sale or for storage. Pkt. 10 cts., 1 oz. \$2.00.

GIANT PASCAL

Matures late. Desirable for home and market garden. Plant large and compact. Leaf stalks long, thick and solid; of unsurpassed rich, nutty flavor. Pkts. 5 and 10 cts., 1 oz. 35 cts., 2 ozs. 50 cts., ¼ lb. 90 cts., 1 lb. \$3.00.

GOLDEN PLUME OR WONDERFUL

This variety of celery resembles Golden Self Blanching but is much larger and ranker in growth, blanches more quickly, matures earlier and very desirable for shipping and for home and market garden, and is of the finest table quality. Pkts. 5 and 10 cts., 1 oz. 80 cts., 2 ozs. \$1.50, ¼ lb. \$2.75, 1 lb. \$10.00.



Utah or Salt Lake

EASY BLANCHING

Splendid early variety for home and market gardens. Makes vigorous, erect, compact growth; blanches very readily; stalks thick, solid, of a rich, nutty flavor; a good keeper. Pkts. 5 and 10 cts., 1 oz. 50 cts., ¼ lb. \$1.25, 1 lb. \$4.00.

GOLDEN PHENOMENAL CELERY

Very desirable for shipping. Plants ready for use early; full hearted; compact; with long, edible stalks that are thick, solid, blanch readily, and are of rich, nutty flavor. Pkts. 5 and 10 cts., 1 oz. 80 cts.

GOLDEN YELLOW SELF BLANCHING DWARF

Standard market and shipping sort. Plants medium sized, stocky. Pkts. 5 and 10 cts., 1 oz. 80 cts.

GOLDEN DETROIT

This new development of the Golden Self Blanching type. Plants very compact and full hearted. Stems broad, thick; blanch easily to a rich creamy-yellow. Pkts. 5 and 10 cts., 1 oz. 65 cts.

FLORIDA GOLDEN

A selection from Golden Plume, bred for taller growth, increased weight and larger, thicker stems; matures early, stems broad and thick, solid and crisp. Plants full hearted and compact. Pkts. 5 and 10 cts., 1 oz. 80 cts.

WINTER QUEEN

The best winter variety. Moderately dwarf, erect, compact with solid heart. Pkts. 5 and 10 cts., 1 oz. 35 cts.

UTAH OR SALT LAKE

A green sort that blanches quicker and whiter than other green varieties, matures a week earlier than Giant Pascal, plants sturdy, compact and very solid. Stems broad, thick, well rounded. Rich nutty flavor. The firm hard stalks keep well in storage. Pkt. 10 cts., oz. 60 cts., ¼ lb. \$2.25.

Golden Yellow Sweet Corns of Special Merit

MARCROSS 613

This is one of the earliest hybrids recommended, being a cross between a Golden Early Market inbred and a Whipple's Early inbred. The inbreds and crosses were made originally by the Connecticut Agricultural Experiment Station and the hybrid is recommended by them. Matures from 72 to 76 days from date of planting. According to the Connecticut Experiment Station report the ears are $7\frac{1}{2}$ to 8 inches long. Pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75.

GOLDEN CROSS BANTAM

88 days. Highly resistant to Stewart's disease and very prolific. Stalks sturdy with exceptionally broad, dark green leaves. Ears 10 to 14 rowed, $7\frac{1}{2}$ to 8 inches long. Slightly lighter yellow than Golden Bantam. Kernels medium in width and depth. This hybrid is extremely uniform in plant and ear characteristics and in maturity. Excellent for market gardeners. Pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75.

In Sweet Corn demonstrations conducted by Agricultural Extension workers this year Golden Cross Bantam, a new variety, was practically free from wilt in all demonstrations.

GOLDEN SUNSHINE

76 days. An earlier Golden Bantam. A yellow early, high quality sweet corn ready for market ten days earlier than Golden Bantam, but more dwarf in growth. The ears are $6\frac{1}{2}$ inches long. 12 rows of broad yellow sweet grains. It is especially desirable for its extreme earliness. Pkt. 5 cts., $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

WHIPPLE'S EARLY YELLOW

84 days. Deservedly popular as a large eared second early sort, for home and market garden. Stalks sturdy and erect; ears 12 to 14 rowed, strong husks, well filled at tips. Kernels golden yellow, fairly deep, sweet, and of good flavor. Pkt. 5 cts., $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

GOLDEN EARLY MARKET

75 days. Earliest, large, true Sweet Corn of golden color. The ear is larger than Golden Sunshine and 10 days earlier than Golden Bantam. It is the outstanding early yellow Sweet Corn of highest quality. Pkt. 5 cts., $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

BARDEN'S WONDER BANTAM

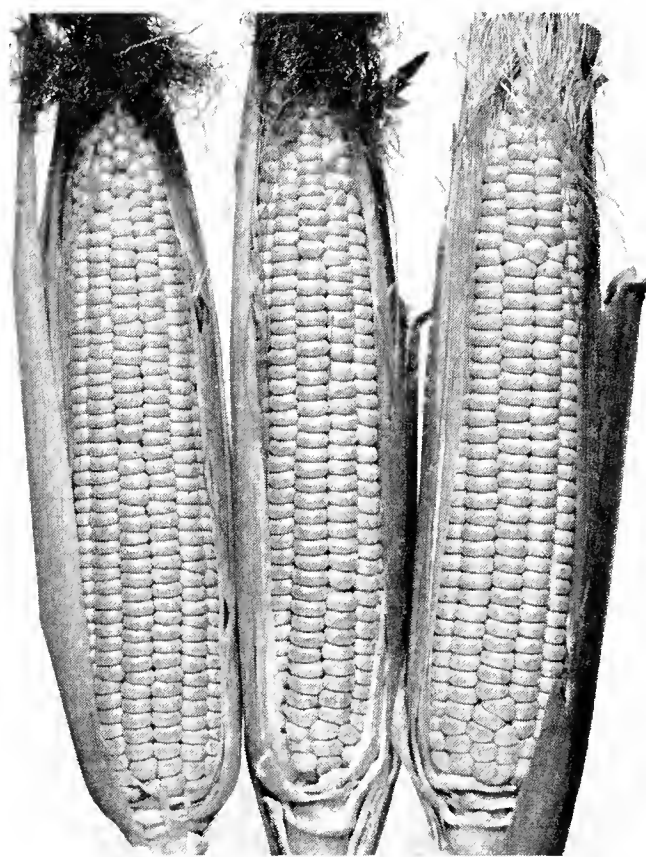
82 days. 8 rowed, with the matchless sweetness and color of the old reliable Golden Bantam, but the ears are larger (eight to ten inches long) and set up higher on a more sturdy stalk, from five to six feet high. Pkt. 5 cts., $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

GOLDEN OR BANTAM EVERGREEN

89 days. A cross between Golden Bantam and Stowell's Evergreen. Ears 7 to 8 inches long, with 12 to 14 rows of large yellow kernels which are of fine quality. Matures later than Whipple's Yellow and Golden Giant, which are the two varieties that it most closely resembles. Pkt. 5 cts., $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

SENCROSS

80 days. Sencross really needs no introduction, as it has been giving fine results for several years. This hybrid is a yellow top cross producing ears of 12-16 rows, and from 7-9 inches long. Highly resistant to Stewart's disease or wilt, it is also very uniform and noted for its high yields and fine color. Pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 40 cts., 5 lbs. \$1.75.



Golden Cross Bantam

TOP CROSS SPANISH GOLD

Four days earlier than Golden Bantam and generally twice as productive, the attractive 8-inch 12-rowed ears command a premium on the market. For tenderness and succulence we have never seen its equal and it holds this fine quality 2 to 3 days longer than other corns. Produces heavy crops in areas where Golden Bantam succumbs to bacterial wilt (Stewart's Disease). Compares favorably with the Evergreens in canning cost. Pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 40 cts.

GOLDEN BANTAM

80 days. Plants dwarf; $4\frac{1}{2}$ to 5 feet tall; very productive, commonly bearing 2 ears. Ears 6 to 7 inches long; strictly 8 rowed; very uniform. Kernels rich golden yellow, very tender, sweet and of splendid rich flavor. Pkt. 5 cts., $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

EARLY BANCROSS

This topcrossed Bantam is produced from an especially selected, large eared strain of 8-rowed Golden Bantam. It produces 8-14 rowed, cylindrical ears of good quality and color, and matures 3-4 days earlier than other available stocks of topcrossed Bantam. It carries a high resistance to bacterial wilt. Pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75.

CONTROL OF CORN EARWORM

The ears of sweet corn are attacked by young caterpillars which feed first on the growing silk and later work down into the ear, eating the kernels. Early maturing varieties of plants are less subject to injury from the caterpillars. Sweet corn may be protected by dusting with a combination of lead arsenate and dusting sulphur, using equal parts of the materials. The dust should be applied as soon as silk forms on the developing ears. It may be necessary to make several applications, as the ears do not all develop at the same time.

Finest White Sweet Corn

Seeds may be planted either in rows or hills. If planted in rows, they should be spaced from 2½ to 4 feet apart, depending on the height of the variety; seeds should be dropped at the rate of 5 or 6 to the foot, and covered about 2 inches deep. If planting in hills, drop 5 to 6 seeds per hill and space the hills 3 feet apart each way. When plants are 4 to 5 inches tall, thin from 8 to 12 inches apart and keep well hoed until the ears are set.

Ask for quantity prices

GILL'S EARLY WHITE MARKET

The earliest Sweet Corn. By planting this variety, you can enjoy good fresh Sweet Corn a week to ten days earlier than you otherwise would. Many ears measure 8 inches long and have 12 to 14 rows of pure white kernels. The quality of the Corn is excellent for so early a variety, being better than any other kind that matures quickly. We are sure market growers will find this a very profitable Corn as it can be put on the market before any other variety of anywhere near its size. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

HOWLING MOB

85 days. A large-eared, early Sweet Corn generally producing two good ears to a stalk, averaging 7 to 9 inches long, with 12 to 14 rows of pearly white grains. The stalks grow 4 to 5 feet high. An excellent home or market sort. Always dependable. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

EARLY EVERGREEN

90 days. Very valuable canning and market sort about 1 week earlier than Stowell's Evergreen from which it was developed. Plants 6½ to 7 feet tall. Ears about 7½ inches long, 2½ inches thick with 14 to 20 rows of very deep, white, sweet, tender kernels that remain fresh and tender remarkably long. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

STOWELL'S EVERGREEN

95 days. Standard late variety very valuable for canning and much grown for market. Plants 7 to 7½ feet tall. Ears 8 inches long; 2¼ to 2½ inches thick; 14 to 20 rowed. Kernels very deep, white, sweet and tender and remain in table condition a long time. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

COUNTRY GENTLEMAN

93 days. Heavy yielding variety with Evergreen character. Valuable for home, market garden and especially for canning. Plants 6½ to 7 feet tall, commonly with 2 or more ears. Ears 7½ to 9 inches long, 2 inches thick; set solid with irregular rows of kernels. These are white; shoe-peg form, very deep, sweet and tender. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

BLACK MEXICAN

88 days. Plants 6½ feet tall. Ears 8 to 9 inches long; 3 rowed; very uniform. Kernels clear white at table stage; tender and of a rich sweet flavor; become uniform blue-black when ripe. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Pop Corn Shelled

Pop Corn is hardier than Sweet Corn, and for that reason the seeds may be planted a week earlier. One oz. will give 40 ft. of row; 130 days are required from time of planting until the ears have reached the point where they can be harvested.

SOUTH AMERICAN YELLOW

Known under various names, Dynamite, Yellow Giant, etc. It is the most profitable variety to grow, the ears are large, 7 to 9 inches long, of golden yellow color, producing more bushels per acre. Our seed is of South American origin. Matures early in Pennsylvania. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts.

JAPANESE HULLESS

Plants 5 feet tall. The ears are short and thick. The kernels are small, nearly white color and much the shape of White Rice. They pop readily and the popped corn is very tender and of the finest quality. Very early variety. Large and snow-white when popped. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts.

GOLDEN QUEEN

115 days. A productive variety with quite large, golden yellow kernels which pop into large, pure white, fluffy flakes. It is the standard variety for popping. Stalk 6½ to 7 feet high. Ears 5 to 7 inches long. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts.

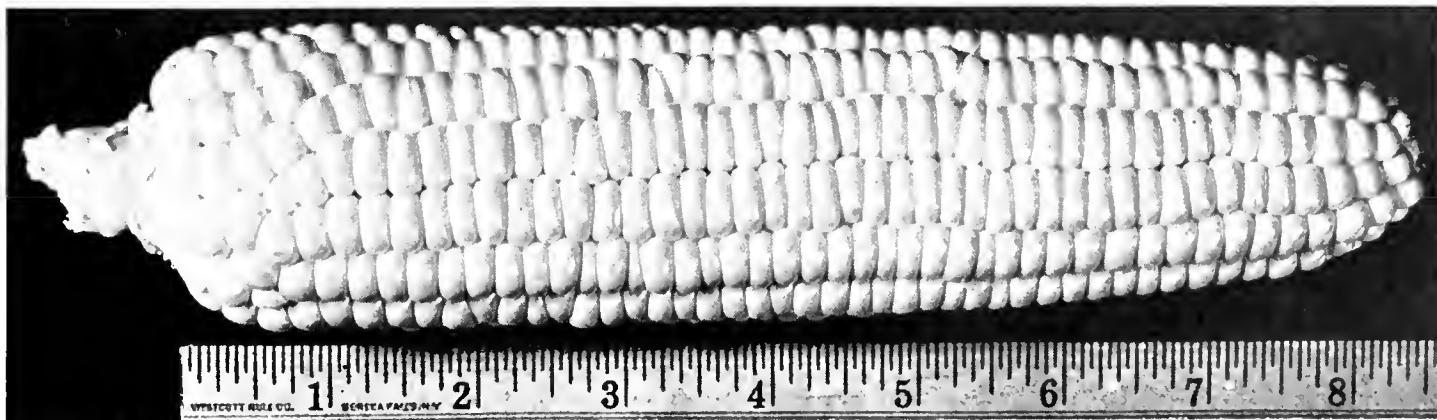
**Plant Your Corn and
Forget About the Crows
Use . . .**

Stanley's Crow Repellent

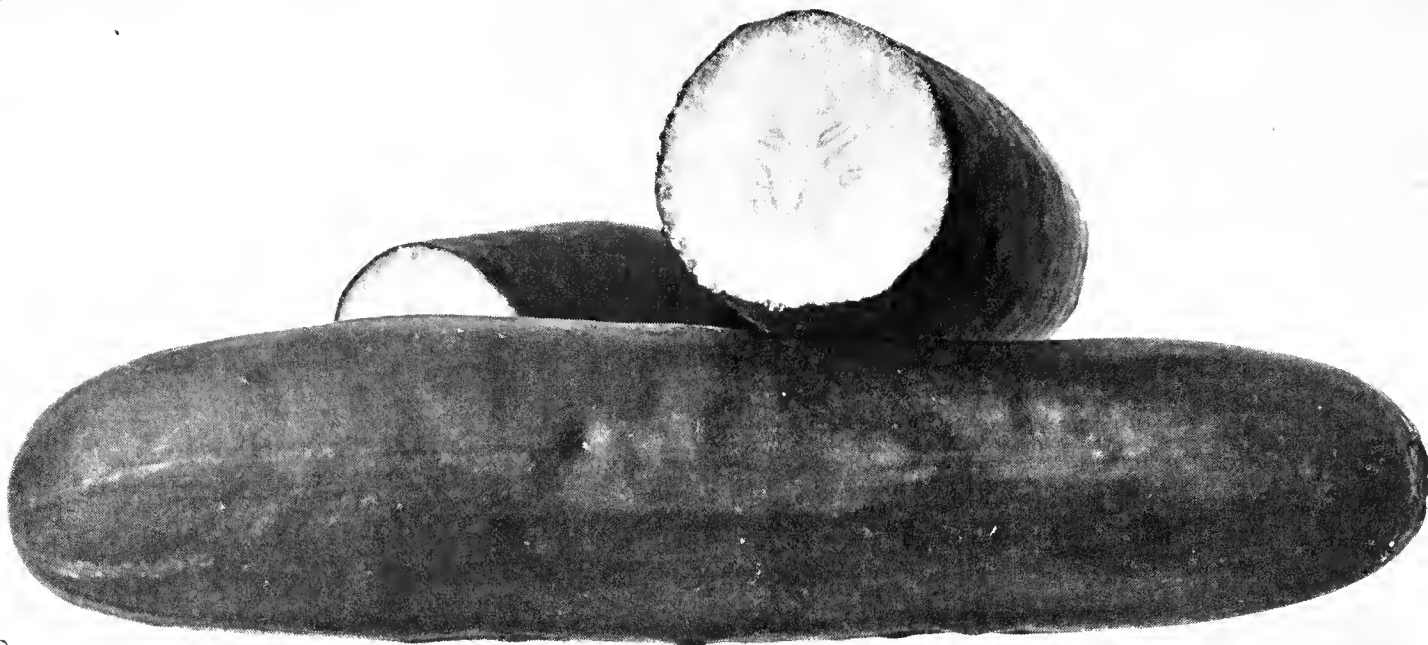
As hundreds of corn growers have been doing for over twenty years. Large can, enough for 2 bushels of seed corn (8 to 10 acres), \$1.00; half size can 60 cts. "Money Back" guarantee.

**Plant Your Corn and Forget About Root
Diseases. Use SEMESAN, JR.**

The dust disinfectant for seed, field and sweet corn. Controls corn root rot diseases. Prevents seed from rotting in ground. Generally increases yield 10 to 15 per cent. Costs only 2½ cents an acre to apply. 4 ozs. 50 cts., 1 lb. \$1.50.



Whipple's Yellow Sweet Corn



Long Green Improved

Cucumbers

Carefully Selected Strains, True to Name and Very Best for Table and Pickling

CULTURE—Do not plant Cucumbers before danger of frost has passed, as the plants are very tender and the least frost will damage them or kill them. Plant in hills or rows 4 feet apart. 10 to 15 seeds to each hill; makes soil very rich. For pickles plant from June first to middle of July.

Spray your Cucumber plants with Pyrox or Bordeaux Mixture and Arsenate of Lead as soon as they appear, then three or four times during growth. It kills the bugs and prevents blight.

EARLY WHITE SPINE

60 days. The most popular white spined cucumber of the home garden; extensively grown for shipping. Fruits medium dark green; remain in good condition remarkably long; 7 inches long; $2\frac{1}{2}$ inches thick; slightly tapered; blunt. **Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.**

LONG GREEN IMPROVED

70 days. Vines very vigorous and productive. One of the best, if not the best, variety for slicing and salting. A very shy seeder, but very prolific, black spines. A universal favorite. Hardy and disease resistant, fruit somewhat pointed at the ends with warts particularly on stem end. **Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., 1 lb. \$1.50.**

A. & C. LONG WHITE SPINE (New)

This new cucumber has proved very popular with growers because of the large yield of fine fruits. When ready to pick the fruit is smooth, about 8 inches long, and 2 inches in diameter. The skin is dark green and altogether very attractive. **Pkt. 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., 1 lb. \$2.25.**

NEW LONGFELLOW

72 days. Particularly valuable for shipping. Fruits handsome; extremely dark green over entire surface, retain the color remarkably long after pickling; white spined; 12 to 14 inches long; $2\frac{1}{2}$ to $2\frac{3}{4}$ inches thick; straight, well filled at ends; very few seeds. **Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., 1 lb. \$1.75.**

DAVIS PERFECT

68 days. An improved strain of white spine; Splendid dark green slicing variety, particularly valuable for shipping. Fruits very dark green; retain color long after pickling; 9 to 11 inches long; $2\frac{1}{2}$ inches thick; somewhat tapered at both ends; very few seeds. **Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.**

If cucumbers are left on vine to ripen they destroy its productiveness. One ounce will plant 50 hills; two pounds will plant an acre.

EARLY CLUSTER

56 days. Very fine pickling sort; very popular for early slicers. Fruits medium dark green; black spined; $5\frac{1}{2}$ inches long; $2\frac{3}{4}$ inches thick; cylindrical and full at both ends. **Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.**

STRAIGHT-8 CUCUMBER (New)

All-American Selection. An outstanding variety. Produces symmetrical, cylindrical fruits 8 inches in length, $1\frac{1}{2}$ inches in diameter. Fruits are well rounded, deep green and free from objectionable striping or tipping. An ideal shipping variety, also equally desirable for the home or market garden. **Pkts. 5 and 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.**

EARLY FORTUNE

66 days. One of the most desirable slicing sorts; extensively grown for shipping. Fruits very dark green, color retained a long time after harvest; white spined; 8 to 9 inches long; $2\frac{1}{2}$ inches thick; only slightly tapered; very uniform. **Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.**

PLEASE WRITE FOR MARKET PRICE ON LARGER QUANTITIES

Cucumbers for Pickling

BOSTON PICKLING

60 days. Splendid pickling and slicing sort. Fruits medium dark green; black spined; 6 to 7 inches long, $2\frac{1}{2}$ inches thick; symmetrical; only slightly tapered. **Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.**

CHICAGO PICKLING

60 days. Very prolific and one of the most popular kinds for pickling and slicing. Fruits deep medium green; black spined; 6 to 7 inches long, $2\frac{1}{2}$ to $2\frac{3}{4}$ inches thick; taper very slightly toward each end; uniform. **Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.**

SMALL GHERKIN

60 days. Of superior quality for pickles. This is the true West India gherkin, and not a true cucumber. Very prolific; fruits for pickles are produced in about 60 days. Fruits pale green; prickly over entire surface; become $1\frac{1}{2}$ to 2 inches long; oval; very uniform; seeds numerous and small. **Pkts. 5 and 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.00.**

Dandelion

Sow early in spring in very warm, rich soil, in drills 18 inches apart; thin to 5 inches and cultivate well; they will be fit for cutting the next spring.

IMPROVED THICK LEAVED

Very superior strain. Makes vigorous, very compact growth. Produces a spreading rosette of leaves 18 to 24 inches across; leaves very numerous, thick in texture and blanch readily. Pkts. 5 and 10 cts., 1 oz. 50 cts., 1/4 lb. \$1.60, 1 lb. \$5.50.

CULTIVATED OR FRENCH COMMON

Pkts. 5 and 10 cts., 1 oz. 20 cts., 1/4 lb. 60 cts., 1 lb. \$2.00.

Egg Plant

Plant requires continuous warm weather for best results. The seed germinates slowly and should be started in a hot bed. The plants may be set out in the open ground when 2 inches tall if continued warm weather is in prospect. Space the plants 2 1/2 to 3 feet apart. Young plants should be shaded from hot sun.

BLACK BEAUTY

Popular home and market sort. Plants thrifty, 24 to 30 inches tall, commonly bear 4 to 6 large fruits which are smooth, broad egg-shape; uniform, very rich dark purple and retains the color. Pkts. 5 and 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.35, 1 lb. \$4.00.

LARGE NEW YORK PURPLE—IMPROVED

The standard home and market sort. Plants large, 30 to 36 inches tall; very productive, commonly bearing 4 to 6 or more large, handsome, dark purple, symmetrical broad egg-shaped fruits. Pkts. 5 and 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.35, 1 lb. \$4.00.

Endive

For early use, sow about April 15th; for later supply, sow in June or July in rows 14 to 20 inches apart and when well started thin the plants to 1 foot apart. When nearly full grown, tie the outer leaves together over the center in order to blanch the heart of the plant. Just before killing frosts in the fall, dig the plants, being careful to take plenty of soil with the roots and to avoid injury to the leaves. Pack the plants closely together, store them in the cellar.

BROAD LEAVED BATAVIAN OR ESCAROLLE

Grown in market gardens and for shipping. Plants large; leaves broad, thick, somewhat twisted; heart very compact and blanches readily. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.10.



Endive, Giant Green Curled

GREEN CURLED—GREEN RIBBED

A variety with deeply cut leaf margins but not curled as is Moss Curled. It is medium large in size and blanches well at the heart in late summer. Mid-ribs are pure green. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.10.

GIANT GREEN CURLED OR RUFFICK

30 days. This variety is sometimes called Oyster as in the Eastern States where Oysters on the shell are exhibited, it is frequently used as a garnish to display them. This is a hardy growing variety, with deep green leaves. When tied up these plants of red footstalks bleach white very quickly. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.10.

Kohl Rabi

Kohl Rabi is a member of the cabbage family grown for the swollen turnip-like structure or bulbs which forms just above the ground line and below the first leaves.

EARLY PURPLE VIENNA

60 days. Standard early sort. Plants small; leaves dark green with profuse purple staining. Bulbs flattened globe-shape, best for use when 2 to 2 1/2 inches in diameter; exterior purple, but flesh white; mild, crisp, tender. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 50 cts., 1 lb. \$1.75.

EARLY WHITE VIENNA (FOR FORCING)

Produces bulbs of 2 1/2 inches in diameter 55 to 60 days after seed is sown out of doors. The standard sort for forcing and for home and market garden use. Plants very small; leaves medium green. Bulbs flattened globe shape; pale green; used when of 2 to 2 1/2 inches in diameter but grow much larger; interior white, mild, crisp and tender. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 50 cts., 1 lb. \$1.75.

Kale or Borecole

Kale is a very hardy non-heading member of the cabbage family, very generally grown in the South for use as greens.

DWARF GREEN CURLED

A popular home garden sort of exceptionally hardy growth. The low spreading plant bears finely curled, large, parsley-like leaves much used for greens and for garnishing. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 80 cts.

SIBERIAN

Also called "Sprouts." A very hardy kale of dwarf growth with broad thick leaves curled on the edges. The color is light bluish-green. Our strain is uniform and true to type. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 80 cts.

Leek

LARGE FLAG

Early. A popular gardeners' variety, with long, thick, well blanched stem. Leaves a trifle lighter green than those of Monstrous Carentan. Similar to London or American Flag. Pkts. 5 and 10 cts., 1 oz. 20 cts., 1/4 lb. 50 cts.



Kale, Dwarf Green Curled

LETTUCE

Loose Leaf Varieties

Lettuce seed germinates quickly and may be planted as soon as the cold wet days of spring are past. Sow seed in rows 15 to 18 inches apart, covering not more than $\frac{1}{2}$ inch deep. The loose leaved type may be thinned to an inch or so apart as soon as a few leaves are formed, and when large enough for the table, they may be thinned as used. In this way space is provided at about the same rate as required for normal growth.

BLACK SEEDED SIMPSON

Early. Dependable in all parts of America and widely grown in home and market gardens. Plant large, attractive, compact; with broad, frilled light green leaves that are of fine crisp texture and splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

EARLY CURLED SIMPSON—W. S.

Early. Plant large, compact, bright light lustrous green; leaves broad, frilled, firm, crisp, sweet and of good quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

GRAND RAPIDS—B. S.

Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact and handsome; bright solid light green; leaves large, broad, margin much waved and frilled; very tender and sweet when grown under glass. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

PRIZE HEAD—W. S.

Very early, quick growing and one of the most popular for home gardens, particularly on the Atlantic Coast. Plant medium large, strictly loose-leaf; leaves broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

Heading Varieties

The seed should be sown in boxes indoors or in the hot bed and set out as soon as weather conditions are favorable. If this is not practicable, sowing may be made in the open ground as soon as soil and weather conditions permit. The plants should be thinned to 10 inches apart in the row and thorough cultivation given.

ICEBERG—W. S.

82 days. Very popular for near markets and home garden; tender head and thin leaves make it unsuitable for shipping. Plant large with broad, crisp, wavy light green leaves tinged brown on margins. Head very large, hard, crumpled; white inside; crisp, very sweet and of good quality but not buttery. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

BIG BOSTON—W. S.

76 days. Especially valuable for summer and fall use out-of-doors, and for hot bed and cold frame culture. It is a cabbage, butter-head type with glossy, plain edged leaves tinged brown on the margins; forms a firm, well folded head buttery-yellow at the heart and of excellent quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

NEW YORK SPECIAL NO. 12

An early variety which does well in mid-summer and is an even and well-bred selection. It is a trifle lighter in color than other strains of New York but is popular with shippers. Pkts. 5 and 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.00.

MAY KING—W. S.

61 days. The earliest heading lettuce. Plants small, allowing very close planting; light green tinged slightly with brown; head medium small, round, firm; interior rich golden yellow, buttery, of splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.



New York Special No. 12

WHITE BOSTON LETTUCE

This is a cabbage, butter-head type, leaves smooth and straight on the edges. Plant and head entirely light green; heart buttery and yellow. The heads resemble Big Boston. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

CRISP AS ICE OR BRONZE HEAD

76 days. Particularly valuable for home and market gardens; forms heads under rather adverse weather conditions. Plant medium small; deep green overlaid with dark brown; forms firm well blanching heads of delicate buttery flavor and tender quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

HANSON HEAD

82 days. One of the most popular home and market garden sorts; very hardy; widely used in all parts of America. Plant very large and broad, thick frilled, light yellowish-green leaves, forms quite large, globular, very hard cabbage-like head which is white at the heart, crisp, sweet, and tender. It is best known under the name "Nonpareil" in Canada. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

Sow lettuce often and a little at a time for continuous supply.

CHICKEN LETTUCE

All kinds of poultry eat it greedily. This lettuce will yield more feed for your poultry or rabbits than any plant you may use for greens. Grows from $3\frac{1}{2}$ to 4 feet high. Ready to cut in about 45 days. After cutting it starts to grow again. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

COS OR ROMAINE LETTUCE

All cos varieties should be planted for late summer or early fall use, when they form firm nicely folded heads.

White Paris Self Folding—W. S. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

One ounce of lettuce seed will produce 1,500 plants.

IMPERIAL NO. 847

Trial plantings of this crisp heading or "Iceberg" strain indicate that at last there is available a heading lettuce which will form good, solid heads under normal conditions throughout eastern and southern United States. It has been used successfully on the west coast for several years. Imperial No. 847 is of the same general appearance as other strains of Iceberg. The color is medium deep green. Heads are well rounded, firm, and with short core. This variety produces heads of excellent size and surprising solidity under conditions which usually produce loose or mediocre heads in other strains. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., 1 lb. \$2.00.

MELONS



Bender's Surprise Muskmelon

Orange Fleshed Muskmelons

The most suitable soil for melons is a rich warm sandy loam. Sow the seed after the soil has warmed up and the weather is quite settled—about the middle of May in this vicinity. Place 6 to 8 seeds in a circle in slightly raised hills spaced 4 to 6 feet apart, and cover the seed with one inch of fine soil.

HALE'S BEST

70 to 80 days. Nearly round fruits 6 to 6½ inches long, densely covered with medium heavy netting and almost devoid of ribbing. Flesh is very thick and fine grained, deep salmon-pink in color, and richly flavored. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

HONEY ROCK (OR SUGAR ROCK)

90 days. Popular new early variety. Fruits 5 to 6 inches in diameter, round to slightly flattened; shallow ribbed and more or less netted. Rind hard and brittle; flesh medium thick; color deep salmon; juicy; sweet musky flavor. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

LAKE CHAMPLAIN

Combines Earliness, Quality and Productiveness

68 days. This is the earliest Muskmelon of good quality. The flesh is deep, very sweet and melting, of golden yellow color. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

EXTRA EARLY OSAGE

95 days. Standard variety of splendid quality for nearby markets and home gardens. Fruits 6 to 7 inches long; almost round; with shallow furrows and sparse shallow netting. Flesh very thick; salmon-orange; fine grained, sweet and aromatic. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

IRONDEQUOIT OR TIP TOP

90 days. A fine yellow fleshed melon. Vines are hardy and very productive. Melons are large, excellent shaped, distinctively ribbed and netted. The flesh is solid, very thick, with small seed cavity. Rich salmon yellow, sweet and of a most delicious flavor. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

BENDER'S SURPRISE MUSKMELON

85 days. The netting is so heavy and the flesh is so firm and thick that the melons remain firm much longer than any other large melons of this class. For roadside sales, market and shipping this is most important. The Bender melons are medium early and in a favorable season if planted in the open ground in the middle of May they will ripen the last of August. The flesh is very thick, deep orange in color, of fine flavor and deliciously sweet. The melons are of oval shape, light green with coarse netting. When ripe, they turn a golden tint which shows through the netting, giving the fruit a very attractive appearance. The melons average quite large, many weighing over 10 pounds. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

EMERALD GEM

85 days. The standard very early variety for home garden and nearby market. Fruits flattened globe shape, 5 to 5½ inches long, ribbed; smooth with practically no netting; not suitable for shipping. Flesh very thick; deep salmon-orange; sweet, juicy and aromatic. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

NETTED GEM OR ROCKY FORD

92 days. Fruits small; oval; about 5 inches long, 4½ inches in diameter; entirely covered with uniform netting. Flesh thick; green; sweet, juicy. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.10.

Watermelon

The requirements for raising watermelons are practically the same as for muskmelons except that the vines are more spreading and require considerably more room. If the hills are liberally manured and cultivation is careful and thorough, any home gardener can have these delicious fruits fresh from his own patch.

KLECKLEY'S SWEETS OR MONTE CRISTO

85 days. Melons are large size, long, dark green with very solid, red flesh; white seeds. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

HARRIS' EARLIEST

75 to 80 days. Fruits medium size; broad oval; dark green stripes, of good quality; seeds blackish. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

TOM WATSON

90 days. Long smooth melon; rich green skin; thin rind; flesh distinctly crisp and juicy. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

COLE'S EARLY

75 days. Fruit is good size slightly oblong and marbled with light and dark green. The flesh is bright red. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

FORDHOOK EARLY

75 days. Slightly oval, dark green mottled with darker stripes. The flesh is bright red and of fine quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

CITRON (RED SEEDED)

95 days. Fruits globe-shaped; 7 inches in diameter; medium green; smooth, very hard; flesh white. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

Okra

DWARF GREEN PROLIFIC

Very early. Plants 3 to 3½ feet tall; pods dark green, very fleshy and tender, become 3 to 3½ inches long and 1¼ inches in diameter, blocky, ribbed. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

Onions

Onions are very hardy, and the seeds will germinate in cool weather. They can be safely planted just as soon as the soil can be prepared. Shallow planting is advisable, $\frac{1}{4}$ to $\frac{1}{2}$ inch being about right. When 2 or 3 inches tall, the young plants can be thinned to prevent crowding. They may be thinned again when 6 or 8 inches tall, and the plants removed can be used as green onions. After that, they can be pulled as needed, and those that are left to become fully ripe can be stored for winter.

YELLOW GLOBE DANVERS

Very popular and somewhat earlier than Ohio and Southport Yellow Globes. Bulbs medium large, globe-shaped, pure yellow; flesh white with faint tinge of yellow, firm and hard. Pkts. 5 and 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., 1 lb. \$3.25.

MOUNTAIN DANVERS

A very early maturing strain of Yellow Globe Onion, originating in the mountains of Colorado. Deep yellow color and very firm. They ripen two to three weeks earlier than Yellow Globe Danvers. These onions have remarkable keeping qualities and can be safely stored all winter and are valuable on this account where seasons are short. Pkts. 5 and 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 90 cts., 1 lb. \$2.75.

EBENEZER OR JAPANESE

Produces excellent sets of extraordinary keeping quality which planted in the spring produce early mature onions for market. Bulbs medium size; deep-flat in shape; pure deep yellow; very firm and hard. Pkts. 5 and 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., 1 lb. \$3.00.

SWEET SPANISH (RIVERSIDE STRAIN)

The best of the very large mild varieties, and while one of the original Spanish types, is a better keeper, having been selected for keeping qualities. It is deep amber-orange in color, with a small neck, and is globular. Pkts. 5 and 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., 1 lb. \$3.00.

WHITE PORTUGAL (AMERICAN SILVERSKIN)

Most widely used white onion for sets, pickling onions, mature bulbs and for bunching onions from seed. Bulbs of medium size; flat but fairly deep; pure white; flesh fine grained; firm and hard. A splendid keeper. Pkts. 5 and 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, 1 lb. \$3.00.

PRIZETAKER

One of the largest of the late or main crop sorts. Its globular shape, yellowish-brown skin, white tender flesh, and mild flavor have won it great popularity. It is very productive and keeps well into the winter. Pkts. 5 and 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., 1 lb. \$3.00.

SOUTHPORT RED GLOBE

The globes are medium to large in size and medium early. A smooth deep purplish-red skin covers the paler flesh which is mild, fine grained, and tender. Pkts. 5 and 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., 1 lb. \$3.00.

RED WETHERSFIELD ONION

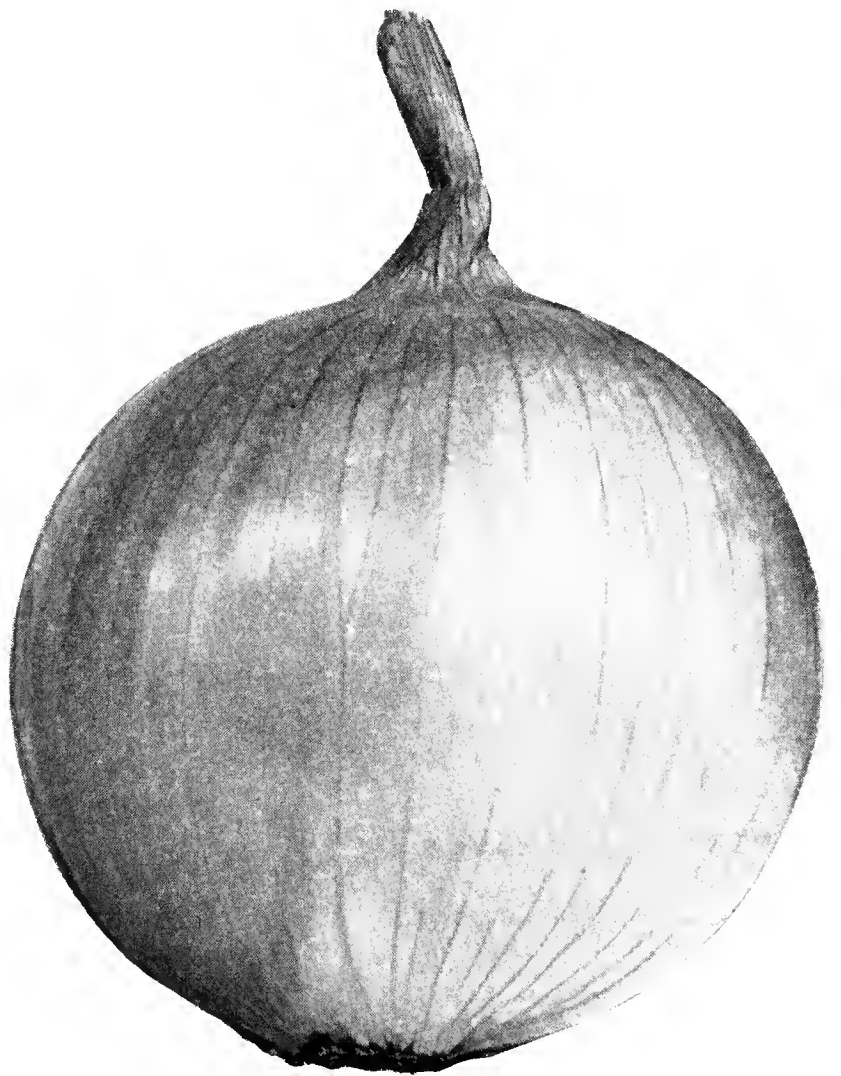
Standard late variety for splendid keeping quality; excellent for sets and for mature bulbs. Bulbs large; flat but rather deep; skin deep purplish-red; flesh white with faint pink flush; flavor strong. Pkts. 5 and 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., 1 lb. \$3.00.

MICHIGAN YELLOW GLOBE

Very widely used variety of splendid keeping quality. Bulbs oblong globe shape at upper half and a trifle flattened at the base; skin pure deep yellow; flesh firm and hard. Ohio Yellow Globe is the same. Pkts. 5 and 10 cts., 1 oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, 1 lb. \$3.75.

SOUTHPORT WHITE GLOBE ONION

Standard late variety of highest quality. Bulbs medium large; globular; firm; skin clear white; flesh clear white and fairly mild; keeps well but not as long as the standard colored globes. Pkts. 5 and 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, 1 lb. \$3.50.



Yellow Globe Danvers Onion

SOUTHPORT YELLOW GLOBE

Standard late variety of splendid keeping quality. Bulbs large; globular; skin deep orange-yellow; flesh fine grained; fairly strong. Pkts. 5 and 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, 1 lb. \$3.75.

ONION SETS

One quart of sets will plant 100 feet of row

YELLOW DANVERS SETS

Our Onion Sets will produce Onions much earlier than by sowing the seeds, which frequently permits the planter to sow another crop on the land the same year. For green or bunch Onion, Sets will produce a crop in half the time it takes to raise them from seed. Plant Onion Sets near the surface in drills 1 foot apart and 2 inches in the rows. They require the highest culture to obtain the best results. 1 lb. 15 cts.

EBENEZER OR JAPANESE SETS

By the use of these Sets large ripe Onions of the finest quality can be easily raised. Sets of this variety rarely produce seed stalks as other kinds do. 1 lb. 15 cts.

TEXAS GROWN ONION PLANTS

Texas unirrigated field grown Onion Plants are hardy and mature quicker, 100 plants producing one bushel of marketable onions. We offer Crystal Wax Bermuda, Yellow Bermuda, and Sweet Spanish. Bunch of 100 plants 15 cts., 1000 plants \$1.25. Add for postage—100 plants 10 cts., 1000 plants 25 cts.

Garlic

BULBS

As an appetizing dash for flavoring for soups and stews, many people use small quantities of this pear-shaped white bulb. In large amounts it has a strong odor and flavor. To grow garlic in the garden, the several sections or "cloves" of each bulb should be separated and set in rows 10 or 12 inches apart and 4 inches apart in the row. They should be taken up in the fall and stored in a cool, dry place until used. 1 oz. 10 cts., 1 lb. 40 cts.



Harris Early Giant

Peppers

Peppers seed should be sown in February or March in a warm hotbed or in a box placed in a sunny window of a warm room. The seeds require plenty of heat and moisture to germinate. Transplant the young seedlings as soon as they can be handled. 6 to 8 weeks are required to raise plants large enough for setting outdoors. One ounce of seed produces about 1,500 strong plants.

CALIFORNIA WONDER

(Sweet.) 72 days. Thickness of flesh alone, which is often $\frac{3}{8}$ of an inch, places this sweet pepper above all others. It is crisp and juicy, too, without a trace of pungency. Vigorous growing plants bear a heavy yield of blocky fruits that become as much as 5 inches long and 4 inches wide. They are unusually good for serving whole. Pkts. 5 and 10 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.70, 1 lb. \$5.25.

HARRIS' EARLY GIANT

(Sweet.) 63 days. The best very early sweet pepper for home and market gardens, particularly in the North. Plants vigorous, erect, extremely prolific. Fruits large, $4\frac{1}{2}$ inches long, $3\frac{1}{2}$ inches through, very slightly tapered; deep green becoming brilliant red; sweet throughout. Pkts. 5 and 10 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.70, 1 lb. \$5.00.

SUNNYBROOK

(Sweet.) 73 days. A tomato-shaped red pepper of much merit. Fruit smooth, upright, 3 inches in diameter by $2\frac{1}{2}$ inches in depth with thick flesh; moderately early. Pkts. 5 and 10 cts., 1 oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, 1 lb. \$4.00.

PIMIENTO

(Sweet.) 72 days. Standard variety for home and market garden, grown on large scale for canning whole. Plants large, upright, heavily productive. Fruits very smooth, regular heart-shaped, commonly about 3 inches long (easily cored for canning); deep green, becoming deep red; flesh very thick, sweet and of splendid flavor. Pkts. 5 and 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, 1 lb. \$3.00.

LARGE SWEET SPANISH

80 days. Popular for home and market garden. Plants large, upright, heavily productive. Fruits 6 to 7 inches long, $2\frac{1}{4}$ inches through; very slightly tapered; dark green becoming rich red; sweet throughout. Pkts. 5 and 10 cts., 1 oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, 1 lb. \$4.00.

RUBY KING PEPPER

(Sweet.) 68 days. Standard for home, market garden and shipping. Plants vigorous, upright, prolific. Fruits large, $4\frac{1}{2}$ to 5 inches long, $2\frac{1}{2}$ inches through, slightly tapered; deep green becoming bright deep red; flesh thick, sweet and mild. One of the most popular varieties grown. Pkts. 5 and 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., 1 lb. \$3.00.

GIANT CRIMSON

(Sweet.) 85 days. Popular home and market sort. Plants large, thrifty and fairly productive. Fruits very large; commonly 5 to 6 inches long and 4 inches through; slightly tapered; deep green, becoming deep crimson; mild and sweet throughout. Pkts. 5 and 10 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.75, 1 lb. \$5.00.

BULL NOSE

Angular-shaped fruits 3 inches long and 2 inches thick. Occasionally a plant will produce hot peppers but usually they are sweet. Early; fine for pickling. Pkts. 5 and 10 cts., 1 oz. 30 cts., 4 ozs. \$1.00, 1 lb. \$3.50.

LONG RED CAYENNE

(Hot.) 70 days. A leading sort for use in pickles, for canning and for drying. Plants large, very prolific. Fruits 5 inches long, $\frac{1}{2}$ inch through, tapered; deep green, becoming bright red; very pungent. Pkts. 5 and 10 cts., 1 oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, 1 lb. \$3.50.

Parsnip

Sow in rows 2 to $2\frac{1}{2}$ feet apart and when well up, thin to about 5 inches apart in the row. Keep the ground moist if possible. Parsnips are improved by freezing, and a portion of the crop can be left in the ground all winter to be used as a spring vegetable when the ground has thawed.

HOLLOW CROWN—THICK SHOULDER

Roots 12 to 15 inches long, 3 inches thick at shoulder; tapered; smooth and straight and of fine quality. We have a fine strain of this popular variety. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 70 cts.

SHORT THICK

Tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of $2\frac{1}{2}$ to $3\frac{1}{2}$ inches and a length of only 6 or 8 inches at the thickened part. The roots are full crowned and rounded on top with a small neck. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

$\frac{1}{8}$ ounce for 100 foot row



Short Thick Parsnips

PEAS

SELECTED FOR OUR CRITICAL TRADE

Our list embraces the newest and highest types in Pea culture.

Peas are different from all other vegetables—the seeds are large and only one stem grows from each seed. They do not tiller; the plant is not bushy. They must be planted close together—12 to 16 seeds to the foot.

While a 10-cent packet of lettuce or radishes might suffice for the family garden and yield sufficient portions for numerous meals, a like amount of Peas will not. It requires 1 pound to plant 40 feet or row. Peas form a profitable crop to grow. Plant all you have room for.

All varieties growing more than 1½ feet high do better if staked up or otherwise supported when 4 to 6 inches tall. This support is usually given by sharpened branches of trees set between the double rows. The crop should be gathered as fast as it is fit to use. Even though just a few pods begin to ripen, new pods will cease to form, and those partly advanced will stop growing.

IF WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST POUND, ONE CT. FOR EACH ADDITIONAL POUND.

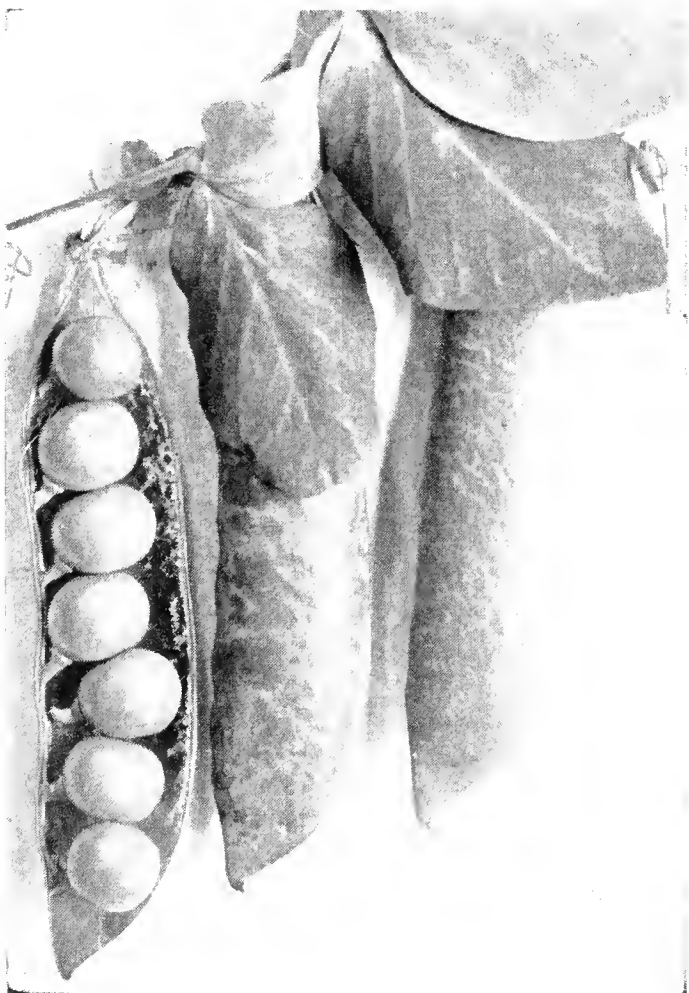
First Early and Early Peas

LAXTON'S PROGRESS—EXTRA EARLY

60 days. Splendid variety for home, market garden and shipping. Vines dwarf; 20 inches tall; dark green; prolific. Pods handsome, dark green; very large for dwarf variety; fully 4 inches long, ¾ inch wide, plump; tapered at end. Seeds large, wrinkled; cream; interior yellow. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

BLUE BANTAM (HUNDREDFOLD)

62 days. Prolific, large podded, dwarf variety for home, market garden and shipping. Vines 18 inches tall, dark green. Pods borne singly; dark green; 4 to 4½ inches long, ¾ inch wide, plump; tapered at tip. Seeds large, wrinkled, cream; interior yellow. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.



Laxton's Progress (Extra Early Peas)

THOMAS LAXTON

63 days. A popular market pea. Unsurpassed for the home garden as an early large podded pea of high quality. Vines 3 to 3½ feet tall, dark green. Pods dark green; 3½ inches long, ⅝ inches wide, plump; blunt. Seeds large; wrinkled, cream and green; interior yellow. As a money-maker this pea surpasses all others. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

LITTLE MARVEL PEA

62 to 64 days. Unsurpassed in quality and productiveness; particularly valuable for the home garden. Vines 18 to 20 inches tall; dark green; very thrifty, very prolific. Pods dark green; 3 inches long, ½ inch wide; very plump; straight; blunt ended. Seeds medium sized, squarish, distinctly wrinkled, green; interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

GRADUS

65 days. Splendid early large podded sort for home and market garden. Vines medium green; 3 to 3½ feet tall. Pods borne singly; attractive medium green; 4 inches long; ⅞ inch wide, plump, well filled; tapered at end. Seeds large, wrinkled; cream and green; interior yellow. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

LAXTONIAN

62 days. Similar to Hundredfold in type and usefulness. Vines 16 to 19 inches tall; medium dark green. Pods borne singly; slightly curved; 4 to 4¼ inches long; ¾ inch wide; plump; tapered at tip. Seeds large, wrinkled; green and cream. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

PREMIUM GEM

62 days. Vines 18 inches tall, medium green. Pods medium green; 2¾ inches long, ½ inch thick; plump, straight; blunt ended. Seeds medium sized; green; wrinkled; interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

AMERICAN WONDER OR NOTT'S EXCELSIOR

61 days. Very important early dwarf variety for the home garden, 59 days. Vines 12 to 14 inches high; dark green; very productive. Pods medium green; 3 inches long, ½ inch wide; plump, straight, blunt ended; seeds medium small, squarish, wrinkled, green, interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

Later Peas

ROGER'S GILBO

(2 ft.) Robust—Large Pods—Superior Quality—Our customers have been well pleased with this new variety. The vines are about two feet tall, strong and robust and bear an abundance of pods. The pods are 4½ to 5 inches long, containing 8 to 9 large peas of superb quality. Although a wrinkled pea, this is a hardy sort and can be planted earlier than most varieties of this class. We recommend this new kind highly both for home and market gardeners. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 10 lbs. \$2.00.

MORSES NEW MARKET (NO. 122)

70 days. One of the finest early mid-season Garden peas for market purposes and home garden. Vines are robust, grow from 24 to 30 inches tall, are quite bushy and stool freely. Leaves are medium large and dark green. Pods straight, pointed, smooth, dark green in color and well filled with 8 to 11 peas per pod. Pods being 5 to 5½ inches long and ¾ inch broad. Unusually productive. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

(Peas Continued on Next Page)

LATER PEAS (Continued)

Write for Dealer's or Quantity Prices

DWARF TELEPHONE OR DAISY

70 to 75 days. Very satisfactory for home, market garden and shipping. Vines 24 inches tall, thrifty; deep green. Pods deep green; $4\frac{1}{4}$ inches long, $\frac{3}{4}$ inch wide; plump, tapered at end. Seeds large, wrinkled, green. This is a splendid, uniform stock recently developed. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

TELEPHONE

73 days. One of the best home and market garden sorts; sometimes used for canning. Vines 4 to $4\frac{1}{2}$ feet tall, medium green. Pods borne singly; rich medium green; $4\frac{1}{2}$ inches long, $\frac{3}{4}$ inch wide; plump, straight, tapered at end. Dry seeds large, pear-shaped, wrinkled, green, interior green. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

MAMMOTH MELTING SUGAR (EDIBLE POD)

72 days. The best flat podded edible pod variety for home and market garden. Vines $4\frac{1}{2}$ feet tall; light green. Pods $4\frac{1}{4}$ inches long; $\frac{7}{8}$ inch wide; flat, straight, tapered at end; fleshy, stringless, brittle; free of parchment; of splendid quality used in the manner of snap beans. Seeds medium large; round; smooth; creamy white; interior yellow. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

CHAMPION OF ENGLAND

79 days. Excellent for home and market garden. Vines $4\frac{1}{2}$ to 5 feet tall; dark green; branched. Pods light green, often in pairs; 3 inches long, $\frac{5}{8}$ inch wide; very plump; straight; blunt. Seeds medium size; finely wrinkled; green; interior green. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

ALDERMAN

75 days. Splendid dark podded variety of the Telephone group for home, market garden and shipping. Vines $4\frac{1}{2}$ to 5 feet tall, dark green. Pods dark green; $4\frac{1}{2}$ to $5\frac{1}{2}$ inches long, $\frac{7}{8}$ inch wide, plump, straight, tapered at tip. Seeds large, wrinkled, pear-shaped, green; interior green. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

BLISS EVERBEARING

72 days. Popular for the home garden. Vines 30 inches tall; dark green; thrifty; of long bearing period. Pods medium green; borne in pairs; 3 inches long; $\frac{5}{8}$ inch wide; plump; straight, blunt. Green peas large, sweet; of marrowy texture and flavor. Dry seeds large; green; flattish, coarsely wrinkled; interior pale green. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

Mushroom Spawn

SPORE CULTURE

(In bricks of about $1\frac{1}{2}$ pounds)

Mushroom is propagated by means of microscopic "spores" which correspond to the seeds of flowering plants. The spore culture we offer is from a selected strain which insures uniformity and is prepared in the form of bricks. We use stock of the white variety which is generally preferred. Each brick is sufficient to spawn 8 to 10 square feet of bed. Per brick 35 cts., per 5 \$1.40.

IF WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST POUND, ONE CT. FOR EACH ADDITIONAL POUND.

Parsley

Parsley seed is even slower than parsnip in germinating. It grows best in rich mellow soil and should be sown as early as possible in spring in rows 1 to 2 feet apart with a covering of not more than $\frac{1}{2}$ inch of soil firmly pressed down. When the plants are well up, thin them 8 to 12 inches apart in the row.

PARAMOUNT PARSLEY

All-American Selection

A new parsley that is bound to sell. The leaves are very dark green, triple curled, dense and broad on stout stems that make it perfect for bunching. 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., $\frac{1}{2}$ lb. 65 cts., 1 lb. \$1.00.

EXTRA TRIPLE CURLED (MOSS CURLED)

Plant very compact, leaves very dark green and so finely cut and loosely curled as to resemble tufts of moss. Aside from its value for flavoring and garnishing the plant is decorative. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., 1 lb. 75 cts.

HAMBURG—THICK ROOTED PARSLEY

Plain leaved variety which forms a large, thick edible root. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., 1 lb. 75 cts.

PLAIN OR SINGLE

The standard variety of plain leaved parsley. Leaves dark green, deeply cut but not curled. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., 1 lb. 75 cts.

Pumpkin

LARGE YELLOW OR CONNECTICUT FIELD

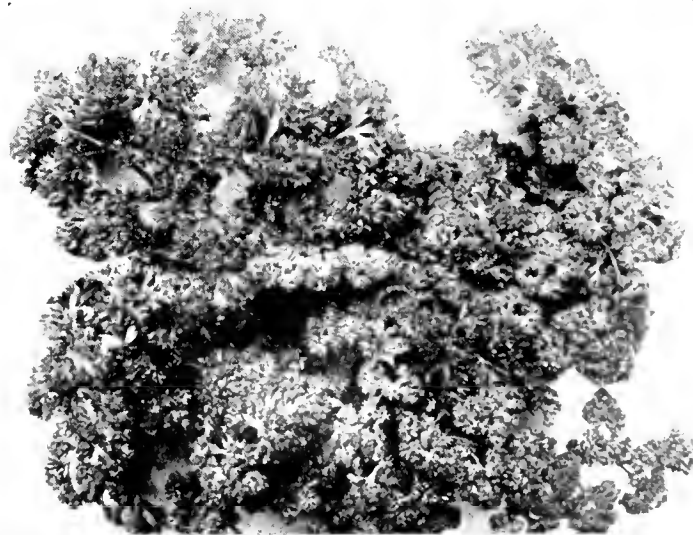
The standard field pumpkin, grown for pies, canning and stock feed. Fruits very large, commonly 10 inches long. 12 inches in diameter and weighs 20 pounds, sometimes much larger; skin smooth, deep orange-yellow; shell thin, hard; flesh thick, coarse, sweet and deep yellow. Pkt. 5 cts., 1 oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 70 cts.

SUGAR OR NEW ENGLAND PIE

The earliest and best for pies; much grown in home and market gardens and for shipping. Fruits commonly 6 inches long and 8 to 9 inches in diameter; flattened; furrowed; skin smooth, rich reddish-orange; rind hard; flesh thick, orange-yellow, of unexcelled quality. Pkt. 5 cts., 1 oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

WINTER LUXURY

This variety is very popular for the home garden. The fruit matures in 75 to 80 days, weighs $8\frac{1}{2}$ pounds, and is nearly round. The skin is light yellow with a russet tinge and finely netted; the flesh is rich creamy-yellow, very thick, sweet; and finely flavored. Pkt. 5 cts., 1 oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.



Parsley, Paramount

Radishes

One ounce will sow 100 feet of drill

The ground for growing radishes should be finely prepared and as free as possible of small stones and lumps. Plant seed about $\frac{1}{2}$ inch deep in rows 12 to 18 inches apart, and when up about an inch thin to 1 or 2 inches apart. Radishes are at their best when growth is quick and steady. A moderate temperature and constant moisture are favorable for best results. Most varieties become pithy soon after reaching full size. In order to keep a continuous supply, successive plantings should be made.

Summer and Forcing Varieties

EARLY SCARLET GLOBE RADISH

23 days. Our strain of this standard very early sort is superior and is equally valuable for out of door culture and for forcing. Tops small, ideal for bunching. Roots slightly elongated globe (so-called "broad-olive" shape); $1\frac{1}{4}$ inch long when ideal for use; with slender, well defined tap root; uniform rich bright scarlet; flesh white, crisp and of splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

SPARKLER (SCARLET TURNIP WHITE TIP)

25 days. Popular home and market garden sort. Tops small. Roots deep turnip, almost globe shape; bright scarlet with pronounced white tip; crisp and of splendid quality until fairly large. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

CRIMSON GIANT

29 days. Superior home and market garden sort. Tops medium small. Roots spherical to slightly top-shaped; deep crimson; the largest of the early turnip-rooted radishes; commonly attain diameter of $1\frac{1}{2}$ inches before becoming pithy; of unexcelled quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

FRENCH BREAKFAST

25 days. Standard home and market garden sort; also suitable for forcing. Tops small. Roots oblong, blunt, with slender well defined tap root; about $1\frac{1}{2}$ inches long and $\frac{5}{8}$ inch through; rich scarlet with white bottom; flesh white, crisp and of splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.



Early Scarlet Globe

LONG SCARLET—SHORT TOP RADISH

27 days. Standard home and market garden sort. Roots long, tapered; become 4 to 5 inches long and $\frac{3}{4}$ inch thick at shoulder; bright carmine red. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

LONG WHITE ICICLE RADISH

27 days. Decidedly the best early white variety and considered by many the standard of excellence in radish. Particularly popular in home and market gardens. Tops small. Roots long, tapered; very white throughout; brittle as ice; of splendid quality until 5 to 6 inches long and $\frac{1}{2}$ inch thick or larger; mild and of splendid flavor. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

Winter Varieties

Seed of winter radish is sown during the latter part of July or August. We have indicated the number of days required to produce roots suitable for table use. However, the roots continue to enlarge and are in splendid condition for storage at the onset of freezing weather.

CHINESE ROSE WINTER (SCARLET CHINA)

50 days. Roots become 6 to 7 inches long, $1\frac{3}{4}$ to 2 inches in diameter at shoulder and slightly broadened outward to 2 or $2\frac{1}{2}$ inches in diameter at the blunt base; skin smooth, uniform bright deep scarlet; flesh white, firm, crisp and pungent. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

CHINESE WHITE WINTER (CELESTIAL)

55 days. Roots about 8 inches long, 3 inches in diameter at mid-section; with square shoulder and blunt bottom; white, smooth; flesh white, firm, crisp, mildly pungent. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

LONG BLACK SPANISH

55 days. Splendid keeper. Roots 8 to 9 inches long, 2 to $2\frac{1}{4}$ inches in diameter at shoulder and only slightly tapered; skin somewhat roughened; black; flesh white, very firm and crisp, pungent. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

ROUND BLACK SPANISH

55 days. Splendid keeper. Roots globular with slender well defined tap root; $3\frac{1}{2}$ to 4 inches in diameter; skin somewhat roughened, black; flesh white, firm, crisp and pungent. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

Dealers Ask for Quantity Prices

TOBACCO DUST

Save your Radishes and Turnips from worms

Strew it generously in the row before sowing. It acts as a repellent for many insects infesting the soil. Deserves much more general use. Dusted over Cucumbers, Melons and Squashes it helps greatly to rid these vines of the destructive bugs. Apply in the morning when the plants are covered with dew. 1 lb. 10 cts. (prepaid 20 cts.), 5 lbs. 35 cts. (prepaid 50 cts.), 10 lbs. 60 cts., 25 lbs. \$1.00, 100 lbs. \$3.25. Postage extra.

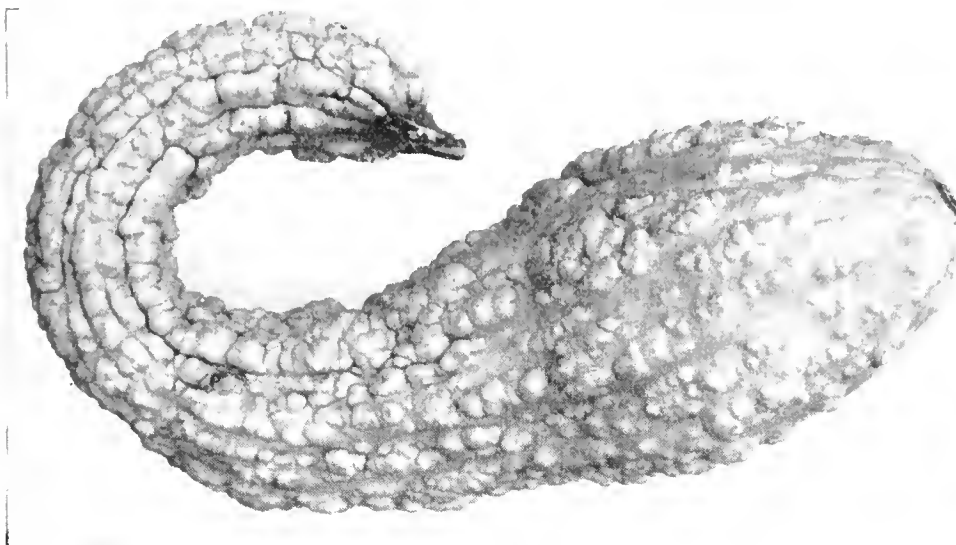
Salsify

(VEGETABLE OYSTER)

The roots of this vegetable are appetizing and nutritious, and the flavor is like that of oysters. Salsify succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will cause the roots to become irregular and branched. Sow early and quite deep, giving the general culture recommended for parsnip.

MAMMOTH SANDWICH ISLAND

Large and strong growing with long, smoother, white, tapering roots less likely to branch than those of other sorts. Pkts. 5 and 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., 1 lb. \$1.85.



Yellow Summer Crookneck

Squash

Summer Varieties

EARLY WHITE BUSH SCALLOP

Standard summer scallop squash for home and market garden. Fruits uniform round, attain 9 inch diameter, flattened with scalloped margins; smooth; white. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

EARLY PROLIFIC STRAIGHTNECK

New high-yielding summer squash, earlier than Giant Summer Straightneck. Plants strictly bush and compact with ample foliage, permitting close planting. Fruits straight, smooth, and of delicate creamy color. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

GIANT SUMMER STRAIGHTNECK

Particularly valuable for shipping because the straight fruits are more readily packed than the crookneck type with less waste of shipping space. Fruits handsome; deep orange with moderate shallow warting; straight, become 16 to 20 inches long and 4 inches through but are useable much smaller. It is altogether more desirable than the Crookneck for either home garden or market garden. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.25.

YELLOW SUMMER CROOKNECK

Very prolific. Fruits become 12 to 14 inches long and $3\frac{1}{2}$ inches through; neck curved; skin bright orange-yellow, moderately warted. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.25.

ITALIAN MARROW—COCOZELLE

Sometimes called summer asparagus because the young fruits when stewed are of a delicious flavor suggesting asparagus. Fruits straight, almost cylindrical; become 18 to 24 inches long and 5 inches in diameter; smooth, dark green with lighter green to yellow stripes; flesh pale greenish white. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.25.

Autumn and Winter Varieties

WARTED HUBBARD

The standard winter squash for home, market garden and shipping. Fruits medium large; commonly 9 to 10 inches through; globular, dark bronze green, moderately warted; rind very hard and strong; flesh very thick, deep orange-yellow, fine grained and dry; of splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.25.

DELICIOUS SQUASH

The standard of excellence in winter squashes. Fruits broad top-shaped, commonly 7 to 8 inches long; skin very dark green, fairly smooth; rind thin but hard; flesh extremely thick, bright yellow, fine grained and dry, without fibre and



Delicious

of the highest quality. A squash of exceptional merit for table use. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.25.

GOLDEN TABLE QUEEN

All-American Award 1939

Weighs about $1\frac{1}{2}$ pounds and is acorn-shaped, deeply furrowed, and golden yellow on the outside. The flesh is rich yellow, dry and mealy, and of delicious flavor. The vines yield prolifically, and the fruit matures early. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

TABLE QUEEN

Outside shell dark green. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

BOSTON MARROW

An abundance of large fruit, weighing 12 to 17 pounds, matures late, 120 days. They are irregularly oval with a moderately hard, rich orange skin. The fine grained, salmon-yellow flesh is fine flavored and keeps well. It is extensively used in home gardens and is a good substitute for pie pumpkin. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

GOLDEN HUBBARD

Earlier and smaller than Hubbard; splendid for home and market garden and commonly used for canning. Fruits globular with fairly prominent neck and blossom end; about 11 inches long and 8 inches through; deep orange red with shallow warting; rind hard and tough; flesh thick, deep orange-yellow; fine grained and dry. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.10.

Swiss Chard

Only the tops of this beet are used, like spinach, and the succulent stalks and midribs may be prepared in the same way as asparagus. The plants are cultivated like beets except that they should be thinned to 8 or 10 inches apart. If only the outer leaves are gathered, the inner leaves will continue to grow, and repeated pickings can be made.

LUCULLUS

In season with Large Ribbed White. Popular home and market garden sort. Plants become 24 inches tall. Leaf blade large and broad, rich yellowish-green; much blistered or crumpled; borne on thick pale green leaf-stem. This variety makes very choice greens. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., 1 lb. 85 cts.

LARGE SILVER

Grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It can be sown at different seasons of the year, giving successive greens. Pkts. 5 and 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., 1 lb. 85 cts.

TOMATOES

Tomato seed is usually planted indoors about March 1st. Use shallow boxes or "flats" and plant in rows about 2 inches apart. As soon as the seedlings are about an inch tall, they are "pricked out" into a larger box and spaced about 4 inches apart. Rich loose soil should be used. When the weather has moderated, the plants should gradually be hardened off to the temperature outside.

THE NEW PENN STATE TOMATO

Extremely early; foliage is rather coarse, medium dark green. Fruits are perfectly and evenly colored a rich scarlet, growing in heavy clusters, usually free from blemishes, almost spherical in shape, with very little core which is shallow. Yields heavily. Pkt. 10 cts., 1/4 oz. 60 cts., 1/2 oz. \$1.00, 1 oz. \$1.35, 2 ozs. \$3.50.

MARGLOBE

79 days. Definite disease resistance. Plants thrifty and heavily productive, of long bearing period. Fruits uniform deep scarlet; large; uniformly globe-shaped; smooth, solid and of distinct quality. Pkts. 5 and 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.25, 1 lb. \$3.75.

BONNY BEST

73 days. Unexcelled as a general purpose tomato; particularly valuable for forcing under glass and as a canning variety in Northern sections. Fruits handsome; evenly colored bright deep scarlet-red; medium large; flattened globe shape; smooth and firm. Yields well until frost. Pkts. 5 and 10 cts., 1 oz. 30 cts., 1/4 lb. \$1.00, 1 lb. \$3.00.

EARLIANA

66 days. Our strain is definitely superior in earliness and quality. Fruits medium size; flattened globe-shaped; deep scarlet-red; firm and smooth. Pkts. 5 and 10 cts., 1 oz. 35 cts., 1/4 lb. \$1.15, 1 lb. \$3.50.

PRITCHARD'S SCARLET TOPPER TOMATO

73 days. It is wilt resistant and of intermediate height. Scarlet Topper is the first to combine these two characteristics. It is a mid-season or main crop variety producing heavy crops of deep scarlet globe-shaped fruit of good size and unusual solidity and with abundant foliage to protect the fruit from hot sun. Pkt. 15 cts., 1 oz. 40 cts., 1/4 lb. \$1.25, 1 lb. \$3.75.

JOHN BAER

70 days. Particularly valuable for canning in Northern sections. Very similar in every respect to Bonny Best; but often a few days earlier. Fruits handsome bright deep scarlet-red;



New Penn State Tomato

medium large; flattened globe shape; smooth and firm. Pkts. 5 and 10 cts., 1 oz. 30 cts., 1/4 lb. \$1.00, 1 lb. \$3.00.

RUTGERS

It has thick outer and inner walls of solid meat, and very small seed cavities and little seed. It is globe shaped, scarlet-red color, resembling Marglobe. It ripens first in the center of the fruit, so that when red on the outside the tomatoes are ripe all through. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.20, 1 lb. \$4.00.

OX HEART

90 days. A late large fruited variety of distinct appearance and perfect quality. Heart-shaped, rosy pink, and very solid fleshed, with few seeds. Single fruits often weigh two pounds or more. 85 to 90 days. Pkts. 5 and 10 cts., 1 oz. 70 cts., 2 ozs. \$1.25, 1/4 lb. \$2.25.

STONE

85 days. Particularly valuable for the market gardener, trucker and canner. Heavily productive. Fruits uniform bright deep scarlet; large and flat, but deep; smooth and solid. Pkts. 5 and 10 cts., 1 oz. 30 cts., 1/4 lb. \$1.00, 1 lb. \$3.00.

DWARF STONE

81 days. Strictly dwarf and tree-like; requires no training to permit culture where space is limited. Fruits bright red, flattened globe-shape, a trifle over medium size. Pkts. 5 and 10 cts., 1/2 oz. 30 cts., 1 oz. 50 cts., 1/4 lb. \$1.50, 1 lb. \$4.00.

PONDEROSA

(Also known as Beefsteak)

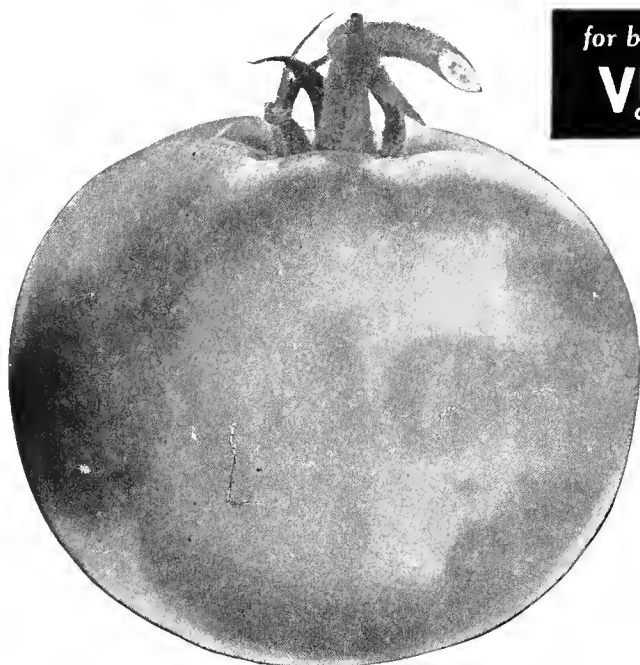
85 days. One of the best for home use. Fruits deep purplish-pink; extremely large, commonly 9 to 12 ounces each; deep but flat; very fleshy with few seeds; of very mild flavor. Pkts. 5 and 10 cts., 1/2 oz. 30 cts., 1 oz. 50 cts., 1/4 lb. \$1.75, 1 lb. \$5.75.

CHALK'S EARLY JEWEL

75 days. Splendid home and market garden variety. Very thrifty, heavily productive. Fruits scarlet-red; large flattened globe-shaped; smooth and firm. Pkts. 5 and 10 cts., 1 oz. 30 cts., 1/4 lb. \$1.00, 1 lb. \$3.00.

GOLDEN QUEEN

84 days. The best large yellow fruited tomato. Fruits large; deep but flattened; bright golden yellow; firm, smooth, and attractive. Pkts. 5 and 10 cts., 1 oz. 40 cts., 1/4 lb. 90 cts.



Pritchard's Scarlet Topper



Spinach

Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. Seed can be planted as soon as the ground can be prepared.

BLOOMSDALE DARK GREEN SPINACH

The dark gloss green leaves are of the savoy type while the compact habit of growth adds to the value of this new spinach as a money maker for market gardeners. 1 oz. 10 cts., 1 lb. 25 cts., 10 lbs., \$2.00.

LONG STANDING BLOOMSDALE

(Round Seeded.) 45 days. Superior variety of the Bloomsdale or Savoy Leaved group much in demand for home and market gardens because of the uniform handsome plants and remarkable long standing quality. Resembles Savoy Leaved or Bloomsdale, but is a trifle later, of more compact habit, a trifle darker green and remains free of flower stalks about two weeks longer. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 25 cts., 10 lbs. \$2.00.

SAVOY LEAVED OR BLOOMSDALE

(Round Seeded.) 40 days. The standard very early sort for home and market garden. Plants upright and compact, attain height of 10 to 12 inches and spread of 12 to 15 inches. Leaves large; blistered and crumpled; rich deep, glossy green; of splendid quality. A very good spinach for shipping. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.60.

GIANT THICK LEAVED (NOBEL)

The seed of this thick leaved variety produces the largest spinach under cultivation. They grow rapidly and remain in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent, and tender. It is an excellent home garden spinach. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.60.

KING OF DENMARK

(Round Seeded.) 48 days. Extremely long standing, smooth, dark green leaved sort for home and market garden as well as for canning. Plants large and spreading with large thick leaves that are only slightly crumpled. Spring sown crops are very often free of flower stalks until mid-summer. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.60.

VIRGINIA SAVOY (BLIGHT RESISTANT)

(Blight Resistant.) Similar to Savoy Leaved or Bloomsdale but smoother in leaf and inclined to bolt to seed earlier. Used chiefly in sections where blight (mosaic) occurs. Not recommended for planting where other varieties can be successfully grown. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.60.

NEW ZEALAND (TEFRAGONIA)

Distinct from other kinds of spinach and particularly valuable for culture in hot dry weather. Seeds comparatively large and nut-like. Plants very large and spreading; leaves numer-



Long Standing Bloomsdale Spinach



Purple Top White Globe

ous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly. Soak the seed before sowing. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 60 cts.

Turnip

For summer use, sow early in spring in rows 1/4 to 2 feet apart. Plant seed about 1/2 inch deep and press the soil down firmly and smoothly. When the seedlings appear, apply tobacco dust liberally to prevent injury by flea-beetles and root maggots. As soon as the plants are about an inch tall, thinning should be started and carried on as recommended for beets. For fall and winter use the seed may be planted as late as August.

PURPLE TOP WHITE GLOBE

Table size, 55 days; full size 70 days. The standard home, market garden and shipping sort for table use and splendid for field culture. Tops medium large, compact. Roots globular, smooth; bright purplish-red above, white below, become 5 to 6 inches in diameter; flesh white, firm, fine grained and tender when young. Pkt. 5 cts., 1 oz. 10 cts., 1/4 lb. 20 cts., 1 lb. 60 cts.

EARLY PURPLE TOP—STRAP LEAVED

Table size, 45 days. Very important home and market garden sort. Tops small, erect, compact. Roots flat, become 5 inches in diameter and half as thick; purplish-red above and white below; flesh clear white, fine grained, mild. Pkt. 5 cts., 1 oz. 10 cts., 1/4 lb. 20 cts., 1 lb. 60 cts.

AMBER GLOBE

Large roots, 75 to 80 days. Of good quality, but chiefly grown for stock. Tops green, leaves cut. Roots large, become 5 to 6 inches in diameter; globular, smooth, yellow tinged with green at the top; flesh pale yellowish-white, fine grained, sweet and tender. Pkt. 5 cts., 1 oz. 10 cts., 1/4 lb. 20 cts., 1 lb. 60 cts.

COW HORN OR LONG WHITE

Table size, 65 days; full size, 75 to 80. Chiefly grown for stock feed but very good for table use. Tops fairly large, erect, cut-leaved. Roots 12 to 15 inches long, 3 inches thick at shoulder, tapered, slightly crooked; smooth; white with pale green shoulder; mild, sweet and tender. Pkt. 5 cts., 1 oz. 10 cts., 1/4 lb. 20 cts., 1 lb. 60 cts.

Rutabaga

IMPROVED PURPLE TOP YELLOW

Very popular variety for market and for storage and earlot shipment. The roots are large, globular, deep purplish-red above ground, yellow below; flesh yellow, fine grained; firm, mild and sweet. Pkt. 5 cts., 1 oz. 10 cts., 1/4 lb. 20 cts., 1 lb. 60 cts.

SWEET PERFECTION WHITE

While very good for stock feeding, this white fleshed rutabaga is especially desirable for table use. It is of vigorous growth and yields better than yellow varieties. Absolutely neckless, small topped, and fine grained. Pkt. 5 cts., 1 oz. 10 cts., 1/4 lb. 25 cts., 1 lb. 65 cts.

Field Seed and Seed Grain



PRICES ON FARM SEEDS SUBJECT TO MARKET CHANGES

All our tested farm seeds are sold under the provisions of the Pennsylvania Pure Seed Law. (Prices subject to change.)

Medium Red Clover (Pine Tree Brand). Domestic grown. The Red or June Clover is probably more generally grown than any other. This crop is the standard for American farmers. **Lb. 30 cts., bu. (60 lbs.) \$15.00.**

Medium Red Clover (Imported and stained.) Hardy, North European grown, suitable for our climate. **Lb. 25 cts., bu. (60 lbs.) \$12.00.**

Mammoth Red Clover (Pine Tree Brand). Domestic Grown. Pea Vine or Sapling Clover. Genuine Mammoth. A large rank-growing clover, ripening at the same time as Timothy, producing an enormous yield. **Lb. 30 cts., bu. (60 lbs.) \$15.00.**

Alsike Clover (Pine Tree Brand). One of the hardiest varieties known. It is perennial and does not winter kill. Thrives on most soil. **Lb. 30 cts., bu. (60 lbs.) \$12.00.**

Crimson Clover. An annual of strong, erect growth. **Lb. 25 cts., Bu. Market price.**

Alfalfa Clover (Pine Tree Brand). Northwestern Grown. Produces 3 to 7 tons per acre. High in protein. It does not exhaust the soil but enriches it. **Lb. 35 cts., bu. (60 lbs.) \$18.00.**

Grimm Alfalfa Clover (The Genuine Certified). Has a different root system, more hardy than other strains of Alfalfa and can be grown on shallower soil. Sealed and certified bags. **Lb. 60 cts., bu. (60 lbs.) \$25.00.**

Sweet Clover, White Blossom. (Pine Tree Brand). A legume of immense size and rank growth. Has great value as a soil improver. Furnishes palatable hay and makes excellent pasture. **Lb. 25 cts., bu. (60 lbs.) \$7.00.**

Sweet Clover-Yellow Blossom (Pine Tree Brand). Does not grow so heavy and coarse as White Blossom and has a yellow blossom. Superior for pasture. **Lb. 25 cts., bu. (60 lbs.) \$7.25.**

Timothy. 99.60 Pure (Pine Tree Brand). As a crop for hay timothy is probably unsurpassed by any other grass. **Lb. 15 cts., bu. (45 lbs.) \$3.00.**

Soy Beans. (The Great Soil Improver). Soy Beans can be grown in all parts of the country where dent corn succeeds. We carry Manchu and Black Wilson varieties. **Bu. \$3.00.**

Sudan Grass. The most wonderful annual grass ever introduced. **Per lb. 10 cts., 10 lbs. 75 cts., bu. (35 lbs.) \$2.25.**

Winter Vetch. For forage and fertilizing purposes. **Lb. 25 cts., bu. (60 lbs.) \$10.00.**

Peas, Canadian Field. Usually sown with oats. Used both as a green feed and fertilizer. **Bu. (60 lbs.) \$3.50. per 100 lbs. \$5.50.**

Dwarf Essex Rape. A forage plant of great merit. Valuable feed for cattle, sheep and hogs. **Lb. 10 cts., bu. (60 lbs.) \$5.00.**

Golden Millet. Produces a very fine quality hay and makes a large seed head. **Bu. (48 lbs.) \$3.50.**

Orchard Grass. **Lb. 30 cts., 10 lbs. \$2.50.**

Alpha Barley 2 Row. Ripens with oats. **Bu. (48 lbs.) \$2.00.**

Barley 6 Row. Early variety. Sow $2\frac{1}{2}$ bu. per acre. **Bu. (48 lbs.) \$1.50.**

Quenshenaque Yellow Dent. Early maturing. Good size, sure cropper. Grown and bred on the hills of Lycoming County. **Bu. (56 lbs.) \$2.00.**

White Cap Yellow Dent. Acclimated and grown in Lycoming County. Never fails to mature properly. Vigorous habit, large foliage, sure cropper. **Bu. (56 lbs.) \$2.00.**

Longfellow Flint. Extra early 8 rowed yellow flint. **Pk. (14 lbs.) 90 cts., bu. (56 lbs.) \$3.00.**

West Branch Sweepstakes. Lycoming County grown. Stalks $1\frac{1}{2}$ to 2 inches in diameter and 12 to 15 feet high. Ears large averaging a foot long and 10 inches in circumference. **Bu. (56 lbs.) \$2.00.**

Laneaster Sure Crop. Lycoming County grown. This variety grows quite tall, is very leafy, develops ears early and ripens a little earlier than Sweepstakes. **Bu. (56 lbs.) \$2.50.**

Eureka Ensilage. Virginia Grown. Grows 14 to 18 feet high on stalks 2 to $2\frac{1}{2}$ inches in diameter. Vast amount of foliage. **Bu. (56 lbs.) \$2.50.**

Blue Ridge Ensilage. Virginia Grown. Earlier than Eureka, not quite as large, ears 10 to 12 inches long, stalks 12 to 14 feet high. **Bu. (56 lbs.) \$2.75.**

If wanted by parcel post, add postage 8 cts. for the first pound, and 1 cent for every additional pound, within the First and Second Zones. Bags included.

NOD-O-GEN

INOCULATE

Your Legume Seeds, such as alfalfa, sweet clover, red clover, alsike, soy beans, peas, field and garden beans, vetches, etc.

For small seeds, such as Alfalfa, Sweet Clover, Red Clover, Mammoth Clover, Alsike, etc., $\frac{1}{4}$ bu. size 30 cts., 1 bu. size 50 cts., $2\frac{1}{2}$ bu. size \$1.50.

For large seeds, such as Soy Beans, Cow Peas, Vetch, Field Peas, Field Beans, etc., 1 bu. size 30 cts., 2 bu. size 50 cts., 5 bu. size \$1.00.

Insecticides and Fungicides

Directions For Using Any of the Following Will Be Found On Each Package

PLEASE NOTE: If wanted by Parcel Post add for postage as follows: 10c for 1 lb., 15c for 2 lbs., 20c for 5 lbs., 30c for 10 lbs., up to and including the third zone; for other zones please add additional postage.

Antrol—The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating insects. It is composed of small glass containers and a special formula of syrup. Antrol sets containing 4 ready filled ant feeders 40 cts., extra ready filled feeders 10 cts., 4 oz. bottle syrup 35 cts., pints 85 cts.

Atlacide (Calcium Chlorate)—A non-poisonous Weed Killer. 1 lb. 50 cts., 5 lbs. \$1.50.

Arsenate of Lead (powdered)—1 lb. to 1½ lbs. dilutes to 50 gallons of water or may be used dry like Paris Green. 1 lb. bags 30 cts., 4 lb. bags 65 cts.

Arsenate of Calcium—Used in control of potato bugs, Mexican bean beetle, tomato and cabbage worms and many other chewing insects, which attack vegetables. Mixed easily with water and can be used either spray or dust. 1 lb. 25 cts., 4 lb. bags 50 cts.

B-B Bean Beetle Dust—This is a dust made especially to control both bean beetle and red spider on beans. It contains 50% Rotenone (2.00% active resins) and 15% sulphur which also controls mildew and fungus diseases. Packaged: 5 lb. bags, 65 cts., 25 lb., \$2.75, 50 lb., \$5.50, and 100 lb. drums, \$10.00.

"Black Leaf 40"—Per 1 oz. bottle 35 cts., 5 oz. bottle \$1.00, 1 lb. \$2.25, 2 lbs. \$3.25, 5 lbs. \$5.85, 10 lbs. \$10.60.

Bordeaux Mixture (powder)—12¾% copper mixture, for spraying purposes. 1 lb. 30 cts., 4 lb. bags 75 cts.

Black Arrow 5000 Pyrethrum Dust—A non-poisonous compound pyrethrum dust for effective control of insects on vegetables, and flowers. 1 lb. 80 cts., 5 lbs. \$2.70.

Blue Stone (Copper Sulphate). Crystals. For making Bordeaux Mixture; best known remedy for blight. 1 lb. 10 cts., 10 lbs. 90 cts., 100 lbs. \$6.00.

Bug and Blight Dust—20% Copper (Monhydrated), 20% Calcium Arsenate, 60% Lime (Chemical) for control of insects and blights on potatoes and other vegetables. 5 lbs. 50 cts., 25 lbs. \$1.50, 100 lbs. \$5.50.

Calcium Chlorate—Kills all weeds including poison ivy. ½ lb. to 1 gal. of water and sprinkle on plants to be killed. Price: 5 lbs. 25 cts., 100 lbs. \$2.50.

Copper Solution Ammoniated. A fungicide, the essential ingredient, carbonate of copper, being dissolved in ammonia. Controls practically all fungus diseases—mildew, black spot, rusts, blights, etc.—and does not harm or stain the most delicate foliage. ½ pt. 50 cts., pt. 85 cts., qt. \$1.50, gal. \$3.25.

Carbon Disulphide Merek—For the extermination of woodchucks, ground squirrels, moles, mice. Also used in wheat bins to control weevils. 1 lb. can 50 cts., 5 lbs. \$1.75.

Ceresan (New Improved)—A new low cost grain disinfectant. Costs only 1⅞ to 2⅓ cents per bushel. Unusually effective in controlling bunt or stinking smut of wheat, covered smut and stripe of barley, and oak smut. One pound treats 32 bushels of wheat, oats, or barley. 1 lb. tin 70½ cts., 5 lb. tin \$3.00.

Cuproide (Red Copper Oxide)—Specially prepared for use on soils and plants, to prevent the hunger disease known as Damping Off. 4 oz. 35 cts., 1 lb. 90 cts., 5 lbs. \$4.00.

Cyanogas (Calcium Cyanide) (G. Fumigant)—A valuable insecticide for greenhouse fumigation, for destroying aphids, white fly, soft scale, thrips, etc. 5 lbs. \$3.00, 25 lbs. \$10.00.

Cyanogas (Calcium Cyanide) (A Dust)—For killing rats, moles, woodchucks and other rodents. Per ½ lb. 45 cts., 1 lb. 75 cts., 5 lbs. \$3.00.

Derrisol—Kills by paralysis. Non-poisonous. Efficient for the control of aphids and many other soft bodied sucking insects as well. 1 oz. bottle makes six gallons, 35 cts., ½ lb. bottle \$1.35, 1 lb. can \$2.50.

Ever Green Spray—Deadly to insects—both chewing and sucking. Non-poisonous to people and pets. Pyrethrum base. 1 oz. 35 cts., 6 oz. \$1.00.

Formacide—A concentrated solidified Formaldehyde Dust, a soil and seed disinfectant for the control of Damping Off. ½ lb. 45 cts., 1 lb. 75 cts., 5 lbs. \$2.00.

Fume Tobac (for burning)—A high nicotine content tobacco dust, for greenhouse fumigation. 100 lbs. \$14.00, f.o.b. Elmira, N. Y.

Fungtrogen—A highly concentrated form of fungicide that will conquer mildew and control black spot on roses. Dilutes 1 part to 60 parts of water. 75 cts. per ½ pt., 1 pt. \$1.25.

Grape Dust—A powder preparation used for mildew, aphids, black fly and other insects and fungous diseases, principally in greenhouses. 1 lb. 35 cts., 5 lbs. \$1.25.

Grafting Wax—For all pruning and grafting purposes. Used when trimming trees and shrubbery. Gives needed protection. ¼ lb. package 20 cts., ½ lb. package 30 cts., 1 lb. package 50 cts.

Lethane 440—A highly concentrated and very effective insecticide for control of both chewing and sucking insects. Now being used successfully for mealy bug. 1 oz. 35 cts., 1 qt. \$2.50, 1 gal. \$7.00.

Lethane Spreader. Gal. \$1.80.

Lime Sulphur Solution—For scale insects on trees and shrubs. 1 qt. 50 cts., 1 gal. 85 cts.

Lime Sulphur (Dry Powder Form)—Applied as a dormant spray in the fall after the leaves drop or in the spring before the buds open to destroy San Jose scale and fungous spores of apple scab, peach rot, leaf spot, etc. One-half pound will make five gallons. 1 lb. 35 cts., 12½ lb. bag \$1.50.

Liquid Slug Shot—A concentrated spray foliage that combines Rotenone and Pyrethrum in the proper proportions with a spreader and a very effective fungicide. Safe—and easy to use. 1 oz. 35 cts., 6 ozs. \$1.00, 1 qt. \$4.00.

Lucky Strike Garden Spray—Non-Poisonous, Double Acting Insect Spray. Pyrethrum, Spreader, Rotenone. Kills chewing insects when they feed. And sucking insects—when it hits them. This complete combination spray is without question one of the strongest non-poisonous insecticides in the world, containing 2½% Rotenone and 1.8 gram of Pyrethrum per 100CC combined with the most neutral spreading agent known. Oz. 35 cts., ¼ pt. 85 cts., ½ pt. \$1.40.

Lucky Strike Rose Combination offers complete Protection against insects and diseases. Triple acting. Kills leaf eating insects through stomach with Rotenone, kills sucking insects such as aphids and the soft body lice with Pyrethrum, controls Fungus diseases with Ammonia Copper Solution. Kit No. 1 (Makes 16 Quarts) 75 cts., Kit No. 2 (Makes 64 Quarts) \$2.00.

Lucky Strike Rotenone Dust 1%—This is the strongest concentration of dust recommended for general use. It contains 1% of stabilized Rotenone, thoroughly intermixed and milled. Use either as a dust or wet spray (1 lb. to 10 gals. water) Packaged: 1 lb. bags 25 cts., 4 lb. bags 75 cts., 100 lb. drums \$16.00.

Monohydrated Copper Sulphate—For destroying fungous diseases of all kinds. Combine with lime and use as a dust. 1 lb. 15 cts., 100 lbs. \$11.00.

"Nico-Fume" Pressure-Fumigator—This "Nico-Fume" Powder is now supplied in special pressure-fumigation tins, in which the Powder is burned under pressure, producing finely-divided fumes, that quickly kill the insects. Results: Greater economy and increased efficiency. 1 1 lb. Pressure-Fumigator, 75 cts., 1 ½ lb. Pressure-Fumigator, 45 cts., 12 1 lb. Pressure-Fumigators, \$7.00, 12 ½ lb. Pressure-Fumigators, \$4.20.

Insecticides and Fungicides *Continued*

Naphthalene Flakes Treatment of Gladiolus Bulbs for Thrips—Sprinkle the flakes among the bulbs, using one ounce to one hundred bulbs, or about 1 lb. to a bushel of bulbs. Application may be either in the fall or before planting in the spring. Lb. 15 ets. (postpaid 25 ets.), 5 lbs. or more 13½ ets. lb.

Nico-Fume (liquid)—For use as a spray or vapor, for controlling green fly, aphids, etc., in greenhouses and outdoors. 1 lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10.00.

Nico-Fume Paper—For fumigating greenhouses; gives off dense fumes charged with nicotine. Per box of 24 sheets 95 ets., 144 sheets \$4.50, 288 sheets \$8.00.

Para Dichlorobenzene—For peach tree borers. Full directions on each package. Do not use on very young trees. When planted around base of a peach tree it generates a gas that kills the borer in that tree. 1 lb. 50 ets., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$5.75, 50 lbs. \$11.00.

Paris Green—A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. ¼ lb. 20 ets., ½ lb. 30 ets., 1 lb. 50 ets.

Pestroy—A combined insecticide and fungicide, for the control of many chewing insects and fungus diseases. Can be used as a dust or spray. ½ lb. carton 20 ets., 1 lb. carton 35 ets., 4 lb. bags \$1.00.

Pomo-Green with Nicotine—The leaf-green all-in-one Dust or Spray. A combination material which controls fungous diseases. Lb. can 75 ets., 5 lb. can \$3.00.

Pomo-Green without Nicotine—(For use as dust only) is highly recommended where aphids or other sucking insects are not present. Lb. 50 ets., 5 lbs. \$1.75.

Pyrox (Bowkers)—A combined insecticide and fungicide for all leaf eating insects, blights and fungus troubles; a pasty substance and needs only to be mixed with water. 5 lbs. \$1.75, 25 lbs. \$5.00, 100 lbs. \$12.50.

Pyrox (Nicotine)—Kills both chewing and sucking insects; controls blight and other diseases. Just mix with water. 17.6 ozs. 49 ets., 5 lbs. \$1.75, 10 lbs. \$3.00.

Red Arrow Garden Spray—Kills many varieties of both sucking and chewing insects on vegetables, flowers, fruits. Red Arrow is a highly concentrated pyrethrum extract, containing soap. Non-poisonous. Use as directed. Will not injure foliage. 1 oz. 35 ets., ¼ pt. \$1.00, 1 pt. \$2.85, 1 gal. \$9.90.

Red "A" Soap—A neutral liquid potash coconut oil soap. An activator and spreader. When used with insecticides decreases cost of finished spray. ½ pint 35 ets., 1 pint 60 ets., 1 quart \$1.00, 1 gallon \$2.40, 5 gallon \$11.75.

Rotecide—A standard rotenone spray. Kills both by contact and through the stomach, absolutely harmless to man, animal or bird life. Rotecide spray is complete. No spreader required, just add water. 1 oz. bottle 35 ets., 8 oz. can \$1.00, 1 pint can \$1.75, 1 quart can \$3.00, 1 gallon can \$8.00.

Selocide—A poisonous contact spray for red spider only. 1 quart \$1.10, 1 gallon \$3.00.

Semesan (DuBay)—A mercuric disinfectant for the control of many seed, plant and soil diseases. One ounce treats 15 pounds of seed. 1/3 oz. 10 ets., per 2 ozs. 35 ets., 1 lb. \$2.25.

Semesan Bel (DuBay)—For treating seed potatoes before planting controlling seed-borne diseases. 1 lb. treats 60 to 80 bushels of seed. Per 4 ozs. 45 ets., 1 lb. \$1.50, 5 lbs. \$6.75.

Semesan Jr. (DuBay)—Controlling seed-borne diseases of field seed and sweet corn; protects the seed from rotting in the ground. 2 oz. 15 ets., 4 ozs. 30 ets., 1 lb. 75 ets., 5 lbs. \$3.25.

Scalecide—Used for the destruction of the San Jose Scale. Scalecide does not clog nozzles, hose or pump and is pleasant to use. Spray during the winter or early spring when the trees are dormant. 1 quart 65 ets., 1 gal. \$1.55, 5 gals. \$5.50, 15 gals. \$11.25, 30 gals. \$18.50, 50 gals. \$26.00.

Insecticides Subject to Market Changes—Dealers and Large Users Please Write for Quantity Prices.

Slug Shot Dust—The standard remedy containing Rotenone for currant worms, rose slugs, cabbage worms, and soft shelled insects that infest the vegetable or flower garden. 1 lb. carton 25 ets., 5 lbs. 85 ets., 25 lbs. \$3.00, 125 lb. keg \$12.50.

Snarol—For control of cutworms, snails, slug. Non-injurious to vegetation and very economical to use on account of its insolubility in water. 1½ lbs. 35 ets., 4 lbs. 85 ets.

Sulfoeide—An effective summer spray for the control of scale and blackrot on fruit trees, mildew, and blackrot on roses, etc. Per pt. 50 ets., 1 qt. 85 ets., 1 gal. \$2.25.

Sulphur, Superfine Commercial Dusting Sulphur—99.5% Pure—Passing 325 mesh screen. Recommended for use in the self-mixing dusters of combination dusts, and for straight Sulphur Dusting. Compatible with stomach poisons and contact insecticides. Lb. 15 ets., 2 lbs. 25 ets.

Sulphur, Commercial Flour Sulphur—99.5% Pure—Recommended for the manufacture of Lime-Sulphur solution and for self-boiled lime and sulphur. Also as a soil correction on alkali soils and sealing seed potatoes. Lb. 10 ets., 100 lbs. \$4.00.

Thrip Juice (Hammond's)—This preparation is very effective against aphids, red spider, mealy bugs and sucking insects generally. 1 pint 65 ets., 1 quart \$1.25, 1 gallon \$4.80.

Tobacco Dust (for dusting)—Repellent for most insects, bugs and worms infesting the garden. 1 lb. 10 ets. (prepaid 20 ets.), 5 lbs. 35 ets., (prepaid 50 ets.), 10 lbs. 60 ets., 25 lbs. \$1.00, 100 lbs. \$3.25.

Tobacco Mulehng (Tobacco Stems)—1 lb. 10 ets., 100 lb. \$3.50.

Tree Tanglefoot—A paste preparation painted around the trunks to keep caterpillars, etc., from crawling into the trees. One pound makes from 12 to 15 lineal feet of band. 6 ozs. 35 ets., 1 lb. 60 ets., 10 lbs. \$4.35.

Tree Wound Paint—Prevents decay after pruning. Stops tree bleeding. This residual, penetrating, antiseptic paint is not effected by cold, heat or moisture. Does not peel, crack or get brittle. ½ pint can 40 ets., 1 quart \$1.25, 1 gallon \$3.00.

Tri-Ogen—Insect spray and Fungicide Rose Garden spray treatment, especially recommended for flowers. Convenient, easy and pleasant to use. Triple acting. Small kit (makes 16 qts.) \$1.50. Medium kit (makes 64 qts.) \$4.00.

Volek, Nursery—Effectually controls aphids, mealy bug, white fly, thrips, etc., while for red spider and scale insects upon evergreens it is unequalled. Does not discolor foliage. ½ pint 35 ets., 1 quart 75 ets., 1 gallon \$2.00.

Volek, Garden—Containing both nicotine and soap, resulting in practically a complete spray, insecticide, fungicide and ovacide. Effective against aphids, cyclamen mite, white fly, chrysanthemum midge, rust, and mildew. 3½ oz. bottle 35 ets., 1 pint \$1.00, 1 quart \$1.50.

Volek, Greenhouse—Designed primarily for use under lath and glass. Used on plants and shrubs that are too tender for other sprays. Practically all tender foliage can be treated with Greenhouse Volek with a wide margin of safety. Qt. 75 ets., Gal. \$2.00.

Weed Killer—Destroys weeds in paths, roads, gutters, drives, etc. Kill roots and tops of all weed and grass growth. Very effective in walks and cobbled gutters without injury to road-bed. Does not discolor cement. 1 quart can 50 ets., 1 gallon can \$1.50, 5 gallon can \$6.25.

Whale Oil Soap—Safely destroys aphids. The ideal spreader. Used alone is a good treatment for San Jose Scale and other bark lice. ½ pt. 35 ets., 1 qt. \$1.00, 1 gal. \$3.00.

PLEASE NOTE: If wanted by Parcel Post add for postage as follows: 10c for 1 lb., 15c for 2 lbs., 20c for 5 lbs., 30c for 10 lbs., up to and including the third zone; for other zones please add additional postage.

High Grade Fertilizers

PLEASE NOTE—No smaller quantity of Fertilizer than here offered can be supplied

If small quantities of Fertilizers listed are wanted by parcel post, please add for postage as follows:

15 cts. for 3 lbs., 20 cts. for 5 lbs., 30 cts. for 10 lbs.

Prices on Fertilizers subject to Market Changes.

Aluminum Sulphate—A material used in creating acid soils, in which Azaleas, Rhododendrons, and similar plants are to be grown. Use one pound to 10 square feet of surface. 5 lbs. 45 cts., 10 lbs. 75 cts., 25 lbs. \$1.50, 100 lbs. \$5.00.

Adco—The addition of Adco to the compost pile, or to other vegetable refuse, grass clippings, leaves, etc., at the rate of two pounds to each wheelbarrow load of refuse, will produce a clean, odorless manure within three or four months. 7½ lbs. \$1.00, 25 lbs. \$2.00.

Blood Dried—A very quick acting fertilizer, being immediately soluble. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75.

Bone Meal—Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high class fertilizer counts. Apply 800 to 1000 lbs. per acre. 3 lbs. 25 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. 90 cts., 50 lbs. \$1.50, 100 lbs. \$2.75.

Cotton Seed Meal—Apply 800 lbs. per acre. Exceedingly rich in potash and ammonia, making excellent for use as a grass and grain fertilizer; for putting greens it is invaluable.

Farm Grain Fertilizer—2-9-5. A balanced commercial fertilizer for the growing of Corn, Oats and other farm grain crops. 125-lb. bag \$2.00. Ton prices on application.

Garden Fertilizer—5-10-5. This is a well balanced commercial fertilizer for garden crops and lawns. Apply 100 lbs. to 5000 sq. ft. (50 x 100). 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.25. Quantity prices on request.

Lime, Agricultural Hydrated—Sweetens sour soils; bind loose soils; breaks up clay. Use ½ lb. to square yard. 10 lbs. 25 cts., 50 lbs. 60 cts.

Muriate of Potash—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, and other grains. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. 90 cts., 50 lbs. \$1.50, 100 lbs. \$2.75.

Nitrate of Soda—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers, to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gallon of water and do not apply oftener than twice a week. 3 lbs. 25 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lb. 90 cts., 50 lbs. \$1.50, 100 lbs. \$2.75.

Peat Moss (granulated)—Acts as a perfect mulch. Marvelous results obtained with your garden and lawn by working it into the soil. Makes fertilizer more satisfactory. Prevents ground becoming hard baked or crusted.

Prices: bale of about 20 bu. \$3.50.

Potato Fertilizer—3-12-6. A scientific balanced commercial fertilizer for growing potatoes and other root crops. Apply 800 lbs. per acre. 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.25. Quantity prices on request.

To germinate fine vegetable and flower seed, sow seeds on top of ground, press into the soil, put a damp burlap bag over the seed. Do not allow it to dry out; keep moist. Remove bag when seeds are up.

Salt—For Dairy use. 50 lbs. 75 cts., 100 lbs. \$1.25.

Salt—For asparagus beds and putting on walks and roads to kill weeds. Apply 800 lbs. per acre in early spring. 100 lbs. \$1.15, 50 lbs. 75 cts.

Sulphate of potash—Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for roots and grain crops. Analysis equal to 50% of actual potash. 5 lbs. 40 cts., 10 lbs. 70 cts.

Sheep Manure (Wizard Brand)—Apply 1,000 lbs. per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use. It is clean and easily handled, besides giving immediate results. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. 90 cts., 50 lbs. \$1.60, 100 lbs. \$2.75.

Swedex (The New Moss Peat)—25 times finer than any Peat Moss. Use it as a top dressing for lawns. Penetrates down to the roots, supplying them with life giving humus for years. Quickly rehabilitates. Apply about one-half inch thick. ½ bale \$2.00, bale \$3.50.

Sulphate of Ammonia—Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired. Will stimulate growth almost immediately. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. 90 cts., 50 lbs. \$1.50, 100 lbs. \$2.75.

Sacco—A specially prepared plant food. Very highly recommended by florists, estates, market gardeners, etc., for lawns, flowers, vegetables, house plants, shrubbery, trees, etc. Rich in life giving nitrogen, phosphates and potash. Contains tobacco stems and manganese sulphate. 1 lb. 10 cts., 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.40, 50 lbs. \$2.40, 100 lbs. \$3.50.

Stim-U-Plant—A plant food in tablet form; contains highly concentrated, immediately available forms of plant food for use in stimulating all fruit, flower, vegetable and ornamental plants and may be used in tablet or in liquid form. Per pkg. of 30 tablets 25 cts. (by P. P. 30 cts.), 75 cts. per pkg. of 100 tablets (by P. P. 85 cts.), 1,000 tablets \$3.50 (by P. P. \$3.65).



Vigoro — Beautify your home with shrubs, trees, lawns, and flowers. Make sure they receive the food elements needed for fine, sturdy growth. Feed them Vigoro, the Complete Plant Food that contains all 11 of the plant food elements scientists have proved plants require from the soil. 1 lb. carton 10 cts., 5 lb. carton 45 cts., 10 lb. carton 85 cts., 25 lb. bag \$1.50, 50 lb. bag \$2.50, 100 lb. bag \$4.00.

Wedo—A scientific fertilizer that both feeds lawns and fights weeds. Sift Wedo on your lawn. Only a small amount is needed—one pound for every 100 square feet. No better fertilizer for lawns, fairways and greens. 25 lbs. \$1.70, 50 lbs. \$2.90, 100 lbs. \$5.00.

Wizard Cattle Manure—Shredded, pulverized and dried and therefore considerably more concentrated than as it comes from the stable. 100 lbs. \$2.75.

Please Write for Market Price on Larger Quantities

Dealers, Florists and Large Users Please Ask for Quantity Prices

Fertilizers Are the Bread, Meat, and Milk for Plants

Berry • Fruit • Garden and Dairy Supplies

Strawberry Baskets. 1 qt. size 90 cts. per 100, \$2.75 for carton 500.

Peach and Tomato Baskets. 16 qt. size 7 cts. each, 75 cts. per doz., \$5.25 per 100.

High Hat Peach Baskets. 8 qt. 7 cts. each, 60 cts. doz.

High Hat Peach Baskets. 4 qt. 6 cts. each, 50 cts. doz.

Bushel Baskets, Round Bottom. \$1.50 per doz., \$10.50 per 100.

Bushel Basket Tubs. \$1.60 per doz., \$11.50 per 100. (Covers extra).

Tills. 4 qt. Pansy Baskets 3 cts. each, \$4.00 for 200.

Tills. 2 qt. Pansy Baskets 3 cts. each, \$4.00 for 200.

Hot Kaps. For early forcing. 100 including setter \$2.65 (postpaid \$2.65), 250 including setter \$3.85 (postpaid \$3.80), 1,000 for \$10.25 (postpaid \$10.60).

Glass Cloth. 35 cts. per sq. yd., 10 yds. or more 30 cts. per yd.

Celery Cuffs. For blanching celery. 20 cts. per doz., \$1.25 per 100, \$10.00 per 1,000.

Wire Stake and Label Holder. 20 in. galvanized. 30 cts. per doz., \$2.25 per 100.

Plant Labels. Waterproof cloth. 6 in. 20 cts. per doz., \$1.40 per 100.

Tree Labels. Copper wired, plain. 40 cts. 100, \$2.90 1,000.

Pot Labels. Plain 4". 35 cts. 100, \$2.50 1,000.

Japanese Cane Stakes. These are very attractive for all purposes of plant staking, thin and very strong. 3' green, 25 cts. dozen, \$1.25 100, \$7.00 1,000. 6' natural, 45 cts. doz., \$2.00 100, \$12.00 1,000.

GARDEN TROWELS

No. 205. Socket Garden Trowel. 75 cts.

No. 211. Garden Trowel, Forged Steel. 75 cts.

No. 212. Garden Trowel, Steel Blade. 25 cts.

Bo. 2120. Socket Garden Trowel. 35 cts.

Bo. 216. Ladies Flower Trowel. 20 cts.

No. 217. Transplanting Trowel. 25 cts.

No. 100. Garden Beauty, Ladies floral set. Three pieces 70 cts.

Egg Cartons. Hold 1 dozen. Size 3 x 4, 250 for \$2.10.

Acme Egg Grading Scale. Will accurately grade all eggs from 16 ounces per dozen to 32 ounces. Each \$2.50. Sent postpaid when remittance accompanies order.

Mascot Egg Grading Scale. Durable, dependable, quick and accurate. Dial 4 inches wide, calibrated in half ounces from 16 to 32 ounces per dozen. Each \$1.35. Postpaid.

Peerless Glazing Points. No. 1 and 2. 60 cts. per 1,000.

Easy Wear Garden Gloves. All sizes 75 cts.

Leaf Rakes. Steel, \$1.00.

Leaf Rakes. Bamboo, 25 cts.

Dibbles. For transplanting plants. Brass point, 90 cts. Steel point, 70 cts.

Planet Jr. Garden Tools. Illustrated catalogue on request.

Barker Weeders and Cultivators. Ask for catalogue.

Dairy Supplies

Milk Bottles. Quarts, 80 cts. per doz., \$7.70 per gross; pints, 65 cts. per doz., \$5.90 per gross; 1/2 pints, 55 cts. per doz., \$4.95 per gross; 10-gross lots, 25 cts. less per gross; 25-gross lots, 50 cts. less per gross. Name Plates on milk bottles, \$2.50 for each size.

Milk Bottle Caps, in Tubes of 500, 35 cts. (postpaid 45 cts.) Quantity price on application.

Milk Bottle Cases. Quart Standard (holds 12) \$1.60; Pint Standard (holds 20) \$1.65; 1/2-Pint Standard (holds 20) \$1.75.

Milk Cans	20-qt.	30-qt.	40-qt.
New York Pattern.....	\$4.05	\$4.80	\$5.30
Cleveland.....	4.00	4.75	5.25

Milk Pails. 14-qt. \$1.20, 12-qt. \$1.10.

Milk Strainers, Lisk Quality Sanitary. \$1.60.

Bottle Carriers. 8-qt. size \$1.35, 6-qt. size \$1.15.

Cream Separator Cans with Spigot. 20-qt. \$2.35.

Rubber Aprons, White Extra Heavy. \$2.35.

Cotton Pals for Strainers. 100 postpaid, 60 cts., 300, \$1.75.

Champion Milk Coolers. No. 2 \$8.00, No. 3 \$9.00, No. 4 \$12.00.

Bottle Brushes, Hand. 10-in. handle, 50 cts.
Machine. Short handle, 50 cts.

Milk-Can Brushes, Jersey Ox-fiber. 50 cts. Gong Ox-fiber. 50 cts.

Wyandotte Cleaner and Cleanser. 5-lb. bag 45 cts. (postpaid 55 cts.) keg (80 lbs.) \$4.98.

Wyandotte Alkali Special Five Star. 100-lb. keg \$6.68, 375-lb. bbl. \$21.04.

BK Sterilizer and Deodorant. Powder. Qt. \$1.50.

Teat Tubes, German Silver. 25 cts.

Specialty Hand Bottle Capper. \$25 each.

Wood, Brass-pointed Measuring-stick. 75 cts. each.

Milk-stirrers. 50 cts. each.

De Laval Cream Separators

The De Laval "Junior" Series is a quality line of low priced separators. They are most efficient and durable machines. They are finished in royal blue. "Junior" machines, smallest sizes, sold without stands for table use only; Nos. 3 and 4 sizes sold with or without stands.

Junior No. 2 Capacity 225 lbs. \$33.50.

Junior No. 3 Capacity 300 lbs. \$37.50 with Stand \$47.50

Junior No. 4 Capacity 400 lbs. \$45.00 with Stand \$55.00

Dog and Cat Food, Remedies and Supplies

Glover's Imperial Medicines

FOR INTERNAL USE

- Round Worm Vermifuge. For puppies, Dogs, Foxes and Cats. 50 cts.
- Round Worm Capsules. For Puppies, Dogs and Foxes. 50 cts.
- Tape Worm Capsules. For Puppies, Dogs, Foxes and Cats. 50 cts.
- Tetraclhorethylene Capsules. For Hook Worms and Round Worms in Puppies, Dogs, Foxes and Cats. 50 cts.
- Condition Pills. Stimulant, Digestive, Appetizer, Tonic. 50 cts.
- Iron Tonic. Tonic, Appetizer, General Stimulant for Puppies, Dogs and Cats. 50 cts.
- Digestive Pills. Soothing to the Stomach and Intestines, Stimulates Digestion. 50 cts.
- Laxative Pills. For Sluggish Bowels and Acute Constipation. 50 cts.
- Diarrhea Mixture. To check Looseness of the Bowels from Simple Inflammations and Improper Feeding—For Dogs and Cats. 50 cts.
- Compound Sulphur Tablets. Act upon the Kidneys and Intestines. 50 cts.
- Nerve Sedative. For Fits and Convulsions in Puppies, Dogs and Cats. 50 cts.

FOR EXTERNAL USE

- Mange Medicine Sarcopic. Antiseptic and Germicide, also a Local Application for Eczema. 65 cts.
- Kennel and Flea Soap. A Bath Soap for the Cat. Kills Fleas and Lice. 25 cts.
- Medicated Soap. A cleansing Bath Soap for House Dogs. Gives a Glossy Coat. 30 cts.
- Creosol Disinfectant. Refined and six times stronger than Carbolic Acid. Antiseptic, Germicide, Insecticide, Deodorant. 50 cts.
- Flea and Insect Powder. 100% Pyrethrum Flowers. No Filler added. Non-Poisonous. 50 cts.
- Liniment. For Muscle Soreness, Stiffness and Sprains of Dogs. 50 cts.
- Sore Foot Medicine. For Dogs. Specially recommended for Hunting Dogs. 50 cts.

ASK FOR FREE DOG BOOK

Sergeant's Dog Medicines

- Sure Shot Capsules. 50 cts.
- Puppy Capsules. 50 cts.
- Sure Shot Liquid. 50 cts.
- Skip-Flea Soap. 25 cts.
- Tape Worm Medicine. 50 cts.
- Sure Shot Flea Powder. 25 cts.
- Spohn's Distemper Compound. 60 cts.
- Spratt's Cat Worm Capsules. 50 cts.
- Spratt's Cleaning Powder. 30 cts.
- Pulvex Flea Powder. 25 cts. and 50 cts.
- Sopex Animal Shampoo. 50 cts.
- Bee Brand Shampoo. Lathers, 30 cts.
- Pulvex Dog Soap. 50 cts.
- Supercedar Kennel Bedding. 5 lbs. 50 cts.

SPRATT'S DOG MEDICINES

- Tonic and Condition Tablets. 50 cts.
- Sulphur Tablets. 50 cts.
- Large Round Worm Capsules. 50 cts.
- Round Worm Capsules for Puppies. 15 cts.
- Laxative Tablets. 15 cts.

Prices Quoted on Dog Foods is subject to Market Changes

Cat Food and Supplies

- Kit-E-Ration, a canned food. 10 cts.
- Spratt's Cat Food, a complete food. 30 cts. box.
- Catnip Mice. 10 cts.
- Catnip Leaves. 10 cts.
- Spratt's Dry Cleaning Powder. 30 cts.
- Pulvex Flea Powder. 25 cts.
- Flea Combs. 65 cts.
- Grooming Brushes. 45 cts. and 55 cts.
- Collars with Bells. 25 cts.
- Sleeping Baskets. \$3.00 and \$3.50.



SPRATT'S CAT MEDICINES

- Capsules for large round worms. 15 cts.
- Tablets for Constipation. 15 cts.
- Capsules for Round Worms for Kittens. 15 cts.
- Tonic and Condition Tablets. 15 cts.

Complete line of Dog Collars, Harness, Leads, Blankets, Combs and Brushes.

GAINES MEAT AND MILK MEAL Complete Dog Food

5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.10, 100 lbs. \$6.00.

PARD DOG FOOD

Swift and Company's Canine-Tested Feeding Formula

We recommend this ready-to-serve ration for dogs of all breeds and ages. It supplies the proteins, carbohydrates, fats, minerals, and vitamins needed for sturdy growth, bright, sparkling eyes, good coat, and abounding energy.

Contains beef meat food products, wheat, barley, dry skim milk, edible bone, tomatoes, salt, and cod liver oil.

PARD is the safe food for your dog.

Pound Can. \$.10, 3 Cans. \$.29
Per Case of 48 Cans. 4.25



CHAPEL'S DOG BISKIT

KEN-L-BISKIT KIB-L-BISKIT
PUP-E-CRUMBLES

5 lbs. 60 cts., 10 lbs. \$1.10, 25 lbs. \$2.30, 50 lbs. \$4.40, 100 lbs. \$8.75.

D and G Dog Food. Kibbled. 5 lbs. 55 cts., 10 lbs. \$1.00.

D and G Mighty Good Meal. 5 lbs. 40 cts., 10 lbs. 70 cts.

PASCO DOG FEED

For Dogs and Puppies

It contains meat, milk, vegetables, cereals and cod liver oil. Properly balanced for growth, conditioner and health. 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.50, 50 lbs. \$2.90, 100 lbs. \$5.75.

SPRATT'S DOG FOODS

Fibo. 5 lbs., 75 cts., 100 lbs. \$12.50.

Ovals. Plain with cod liver oil. 5 lbs. 75 cts.

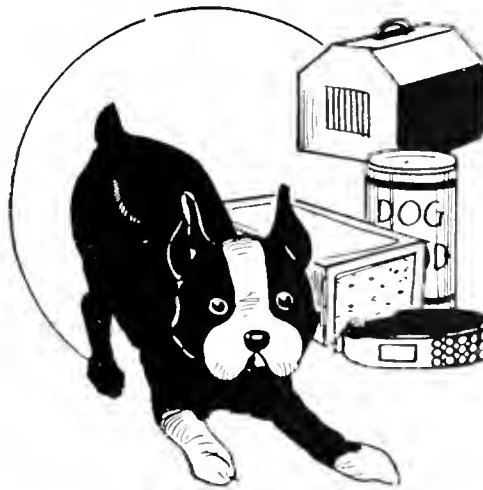
Ovals. With charcoal. 5 lbs. 75 cts.

Challenge Terrier Meal. 5 lbs. 60 cts.

Cod Liver Oil Biscuits. 5 lbs. 60 cts.

Puppy Meal. 5 lbs. 60 cts., 100 lbs. \$10.00

Spix. Cakes. 5 lbs. 75 cts., 100 lbs. \$11.00.



PRATT'S

REGULATORS and REMEDIES for POULTRY and ALL LIVESTOCK

POULTRY REGULATOR. Helps hens lay. Increases rate of growth. Makes any mash better. Add 2 lbs. to every 100 lbs. of mash. Costs only a few cents and will bring back dollars of extra profits. Prices: 24 ozs. 25 cts., 4 lbs. 55 cts., 12½ lbs. \$1.60, 25 lb. pail \$2.75.



hours apart, does work of two ordinary worm treatments. Destroys large round, tape and pin worms. Made in adult size and in one size for chicks and pullets. Prices: Adult size, 50 capsules 85 cts., 100 \$1.50, 500 \$5.50; Chick and Pullet, 50 capsules 55 cts., 100 \$1.00, 500 \$3.75.



ROOST PAINT. New improved nicotine formula Roost Paint. Kills lice on hens by just painting the roosts. Costs only half as much as nicotine sulphate 40%. 1 quart delouses 1,000 fowls. Prices: ½ pt. 85 cts., 1 pt. \$1.50, 1 qt. \$2.25, 1 gal. \$7.00.

CHICK TABLETS. Safe guards chick life. Used in the drinking water it kills the specific organism which causes White Diarrhea. Get a box today and stop chick losses. Prices: 30 and 60 ct. pkgs.

R-P TABLETS. (Formerly called Roup Tablets). Stop big losses from roup diseases. At the first sign of a cold use R-P Tablets in the drinking water. It kills germs and stops the spread of the disease. Prices: 30 and 60 ct. pkgs.

POWDERED LICE KILLER. Kills lice and other parasites on poultry, rabbits, livestock and pets. Comes in a handy shaker can. Prices: 14 oz. can 30 cts., 2 lbs. 40 cts.

SPLIT-ACTION N-K CAPSULES. (For Poultry Worms). One capsule releases two doses of worm destroying drugs

POULTRY WORM POWDER. A one dose flock treatment for large round worms only. Just feed it once in the mash. A cupful worms 100 hens. No handling of birds. Prices: 60 cts. pkg. for 100 hens.

DISINFECTANT. A standard coal tar solution such as is recommended by the Government and other authorities. Effective as a disinfectant and deodorant for poultry houses, stables, barns, etc. Also for household use. Prices: 1 pt. 35 cts., 1 qt. 50 cts., 2 qts. 85 cts., 1 gal. \$1.45.

ANIMAL REGULATOR. A conditioner that will keep your livestock in the pink of condition. Tones up the system. Builds up disease resistance and enables animals to produce more work for the same feed. Prices: Pkg. 25 cts., 25 lb. pail, \$2.75.

COD LIVER OIL. Vitamin tested and guaranteed. Provides an effective source of Vitamin D. Prices: 1 qt. 35 cts., 1 gal. \$1.25, 5 gals. \$5.00. Containers extra.

WALK O TABLETS. 50 cts. and \$1.00 sizes.

SORE HEAD CHICKEN POX OINTMENT. Price: 60 cts. pkg.

"BLACK LEAF 40." Kills lice. Just paint the roosts. 1 oz. paints 12 ft. roost 35 cts., 5 ozs. paints 65 ft. \$1.00, 1 lb. paints 200 ft. \$2.25, 2 lbs. paints 400 ft. \$3.25, 5 lbs. paints 1,000 ft. \$5.85, 10 lbs. paints 2,000 ft. \$10.60.

DR. HESS' POULTRY PANAMIN. (Formerly Pan-a-cea). A conditioner and mineral supplement put up in 3 lb. packages, 45 cts., 7 lbs. 95 cts.

DR. HESS' STOCK TONIC. 5 lbs. 75 cts., 25 lbs. \$2.85.

GREYLAWN LOUSE POWDER. For dusting fowls and nests. Also livestock. The most effective lice exterminator in existence. 12 ozs. 65 cts., 22 ozs. \$1.00.

FLYER'S CONNECTICUT FORMULA. The Premier Treatment for Enteritis and Paralysis. 15 oz. can 75 cts.

PRATT'S PIC-NO-MOR. Absolutely stops Cannibalism. 2 ozs. 25 cts., 5 ozs. 50 cts.

KRAMO. A Powerful Non-Poisonous Red Squill Exterminator of Rats and Mice. 4 oz. can 50 cts.

BARKER'S MEDICINAL STOCK POWDER. Improved chemical and vegetable Horse, Cattle and Poultry Powder. 30 cts., 60 cts., \$1.00 size pkgs. 12 lb. pail \$2.00, 25 lb. pail \$3.85.

SAL-VET. The worm destroyer and livestock conditioner without an equal. 5 lbs. 75 cts., 10 lbs. \$1.20.

GERMOZONE. The standard remedy for the prevention and cure of most every ill that affects poultry, such as roup, cholera, bowel complaint, diarrhea, sore head, gapes, etc. 12 oz. bottle 75 cts., 32 ozs. \$1.50.

KOW KARE. The great cow medicine. Large can \$1.00 (postpaid \$1.15), small can 50 cts. (postpaid 60 cts.).

BAG BALM. 50 cts. (postpaid 60 cts.).

GARGET REMEDY. 60 cts. (postpaid 70 cts.).

DR. NAYLOR'S MEDICATED TEAT DILATORS. 1 doz. jars 50 cts. (postpaid 60 cts.), 3 doz. jars \$1.00 (postpaid \$1.10).

TOXITE. Disease control spray. Controls Poultry Coccidiosis (Bloody Diarrhea), Round Worms (Ascaridia), and Red Mites which are transmitted by contaminated litter. Money back guarantee. 1 gal. \$1.50. Ask for bulk prices.

CARBOLA. The Disinfecting White Paint. For poultry house, stock barns and cellars. Paints and disinfects. Dries white. 5 lbs. 60 cts., 10 lbs. 98 cts., 25 lbs. \$1.90, 50 lbs. \$3.50.

POULTRY SUPPLIES

With a Metal Four Blade Reel stiff and substantial. Revolves freely. The Reel has 4 adjustments, proving a feeding space from 1 in. to 2½ in. in between the reel and edge of the trough, thus making it suitable for all size chicks up to the broiler stage.

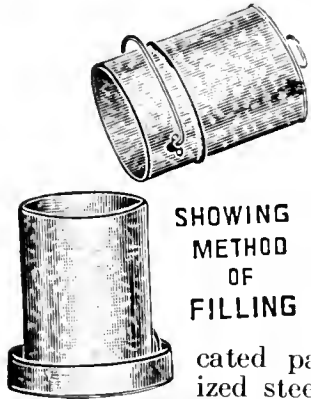
Trough is of prime galvanized steel 4¼ in. wide by 2¼ in. deep with turned in edges to prevent waste. Height of ends 5½ in. Also furnished in Tin Plate for Buttermilk in one size only.

Furnished with or without Adjustable Legs made of heavy wire, easily adjusted and held firmly with bolts and wing nuts. Provides an up and down adjustment of 2½ in.

Cleanable Top Fill Fountains

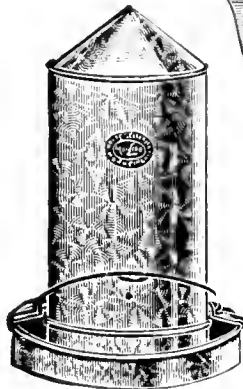
WITH CONE TOP

285 4 Gallons 11 lbs. Each \$3.10

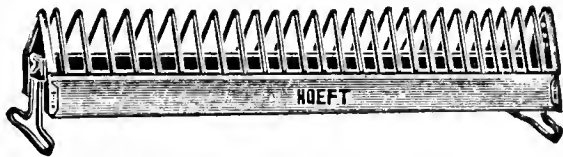


SHOWING
METHOD
OF
FILLING

Top-Fill Fountain, with double walls which keep the water cool in summer and retard freezing in winter. Fills at the top and as easily cleaned as an ordinary pail. Feeds the water automatically, no valves or complicated parts. Heavy galvanized steel, with Round Pan, \$2.25.



PREMIER CHICK FEEDER



With a substantial Galvanized Wire Grill, making it roost proof and prevents waste of feed. The grill is electrically welded in a single unit and swings back for cleaning and filling. Made of prime galvanized steel, width 4¼ in., depth of pan 2¼ in., total height 5½ in., with turned in edges.

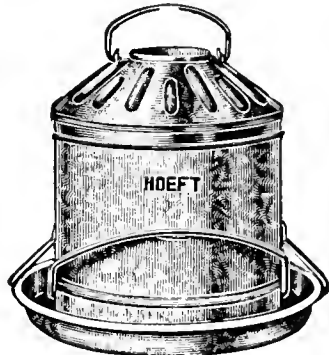
WITH WIRE LEGS

310-S 24 in. \$0.75 311-S 36 in. \$0.90 312-S 48 in. \$1.05

New Chick Fountain

New Gem Snap-on Fountains, with Smooth Stream Line Cone Tops on which the chicks cannot perch.

Excellent, practical and very popular waterers at low prices. The body or can snaps firmly to the drinking pan, and is held securely in place, so that the fountain can be carried by the top handle when filled without danger of spilling. Made of prime galvanized steel, accurately die stamped. The pan is 10 in. in diameter, extra heavy, fluted or scalloped design, giving the chicks easy access to the water without crowding. Easy to fill and keep clean. May be placed on the floor or hung up out of the litter as desired. Two sizes.



No.	Capacity	Height	In Carton	Weight Carton	Each
158	1 gallon	7½ in.	6	13 lbs.	\$0.60
159	2 gallons	12½ in.	6	18 lbs.	.75

WITHOUT WIRE LEGS

No.	Length	Each
250	36 in.	\$1.00
251	48 in.	1.30

WITH WIRE LEGS

No.	Length	Each
250-S	36 in.	\$1.15
251-S	48 in.	1.45

Eureka Chick FEEDER



WITH WIRE LEGS

No.	Length	Each
466-S	24 in.	\$0.65
467-S	36 in.	.80
468-S	48 in.	.95
315-S—Tin Plate	30 in.	.75

Leader Chick Feeders



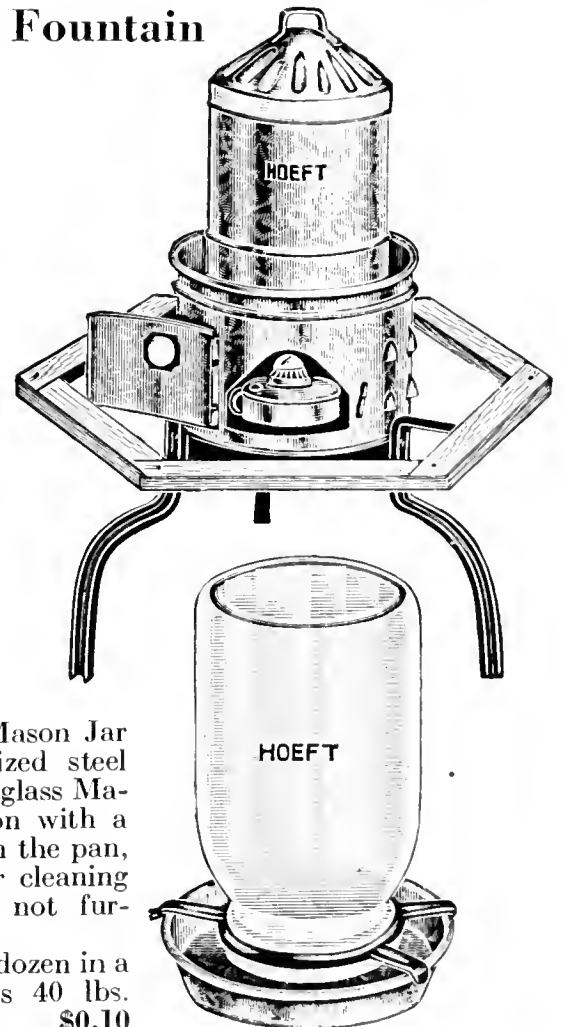
"Leader" Chick Feeders, made of prime galvanized steel, accurately die stamped. The pan and top are each made of a single piece of metal, no seams or solder used. Sliding top easy to fill and clean. A very satisfactory low priced feeder. Width of trough 4½ in. at top.

No.	Length Over All	Number of Holes	Each
520	13 in.	16	\$0.11
521	23 in.	32	.22

Crescent Heated Fountain

The Fountain is our regular Crescent with a Kerosene Heater to prevent freezing.

The Stand has heavy steel legs, with wood perch bars, 14 in. from the floor, all neatly painted.



FOUNTAIN AND HEATER WITH STAND

No.	Capacity	Each
424-S	3 gal.	\$5.20
425-S	5 gal.	6.20

Metal Clip Fountain

No. 145. Metal Clip Mason Jar Chick Fountain. Galvanized steel pan, diameter 5½ in. The glass Mason jar is held in position with a metal clip, which snaps on the pan, and is easily removed for cleaning and filling. (Mason jar not furnished.)

Packed 6 dozen and 12 dozen in a carton. Weight per gross 40 lbs. Each.....\$0.10

Perfection Broiler Feeder

Designed for chicks from about three weeks old to pullet size. The heavy Wire Grill Guard prevents roosting on the feeder, avoids food contamination, and prevents waste. The grill is electrically welded in one unit, and swings back on hinges for easy filling and cleaning. Trough is made of prime galvanized steel. Width 6¾ in., depth 3 in., total height 6¼ in. In two lengths. Turned in edges avoid waste.

Furnished with or without Adjustable Legs, made of heavy galvanized wire, quickly adjusted, and held firmly in place with bolts and wing nuts. Provides an up and down variation of 2½ in.

BIRDS AND BIRD SUPPLIES

BIRD CAGES AND STANDARDS

We carry a line of artistically colored cages and standards in the New Duco Finish—blended in two tone combinations, plain base or the newer type with two drawer bases, one for gravel paper the other with stationary bath dish. Also brass cages. **Cage and Stand, \$2.00 and up.**

SINGING CANARY BIRDS. Every bird is carefully selected for song and satisfaction guaranteed.

Male Choppers, Male Rollers, Yorkshire Canaries, Norwich Canaries. Birds can be shipped by express only. Write for prices.



Bird Foods and Remedies

Pulvex Insect Gun and Powder, 35 cts.
Cage Springs, 10 cts. and 20 cts.
Cage Hooks, 15 cts. and 20 cts.
Seed and Water Cups; Opal 15 cts., Non-breakable 25 cts.
Bird Bath Dishes, 10 cts.
Non-breakable Bath Houses in color, 35 cts.
Charm Bells, 10 cts.
Cuttle Bone Holders, 10 cts.
Our own selected Mixed Bird Seed, 20 cts. lb., 5 lbs. 75 cts.,
10 lbs. \$1.20.
Silver or Red Gravel, 10 cts. carton.
German Song Restorer, 25 cts.
Bird Manna, 10 cts.
Eureka. C. L. O. Food, 35 cts.

Pulvex, A leading Lice and Flea Powder.
25 cts. and 50 cts.
Magic, 20 cts.
Chopper Song Food, 25 cts.
Asmatine (Asthma Remedy), 25 cts.
Canarydyne (for Colds), 25 cts.
Philadelphia Bird Bitter, 25 cts.
Mite Killer for Washing Cages, 25 cts.
Bulb Sprayers for Spraying Birds who will not bathe, 50 cts.
Cedar Pyramids for Disinfecting Cages, 15 cts.
Cage Covers and Seed Catchers, 50 cts. and 98 cts. a set.
Bird's Digesto (for Baby Birds), 25 cts.
B. and J. Foods and Remedies. 4 oz. bottle 25 cts.

PARROT FEED

Sunflower, selected for parrots. Lb. 20 cts., 2 lbs. 35 cts.
Parrot Food Mixed. 18 cts. lb. bulk, 2 for 35 cts.
Parrot Grit, Bone-Builder, 15 cts. box.
Parrot Tonic, For Colds, 25 cts.

FISH FOOD

Fish Food Wafers, 10 cts.
Fish Food, Natural, 10 cts., 50 cts. and \$1.00.
Turtle Food. Contains ant-eggs, 10 cts.
Ich and Fungus Remedy and Tonic, 15 cts.
Glandex Tonic for Tropical Fish, 20 cts.
Geha, an imported Fish Food, 20 cts.
Ant Eggs, in paper cartons, 10 cts.

GOLD FISH

Priced from 5 cts. to 25 cts. each.

Common, Fantails, Ribbon Tails, Shubunkins, Telescopes

AQUARIUMS

All kinds of Aquarium Supplies

OXYGENATING PLANTS

FULLSONG PRODUCTS

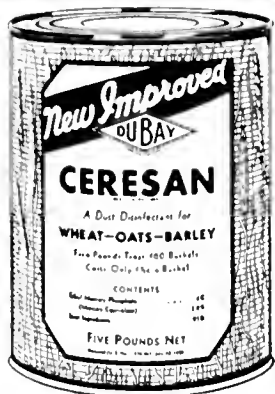
Fullsong Mixed Bird Seed (16-oz.), 25 cts.	Fullsong Red Mite Powder, 25 cts.
Fullsong Mixed Bird Seed-Jr. (10 oz.), 15 cts.	Fullsong Red Mite Liquid, 25 cts.
Fullsong Bird Gravel (2 lbs.), 10 cts.	Fullsong Cold Remedy, 25 cts.
Fullsong Health Grit (Mag. & Charcoal), 30 cts.	Fullsong Asthma Remedy, 25 cts.
Fullsong Love-Bird & Finch Seed, 25 cts.	Fullsong Footease, 25 cts.
Fullsong Health Food, 25 cts.	Fullsong Parrot Food, 25 cts.
Fullsong Feather-Pulling Remedy, 25 cts.	Fullsong Parrot Grit, 15 cts.
Fullsong Moulting Food, 25 cts.	Fullsong Parrot Tonic, 50 cts.
Fullsong Regulator, 25 cts.	Fullsong Fish Food with Shrimp, 10 cts.
Fullsong Mating Food, 25 cts.	Fullsong Wafer Fish Food, 10 cts.
Fullsong Nestling Food, 25 cts.	Fullsong Turtle Food, 15 cts.
Fullsong Color Food, 25 cts.	Fullsong Ant Eggs, 15 cts.
Fullsong Antiseptic Wash, 25 cts.	Fullsong Oval Bird Perches—ass't'd, 10 cts.
Fullsong Bird Bitters, 25 cts.	Fullsong Seed Gongs, 10 cts.
Fullsong Vitamin, 25 cts.	Fullsong Manna Buds, 5 cts.
Fullsong Bird Peppers, 25 cts.	Fullsong Cuttlebone, 5 cts.
Fullsong Charcoal, 10 cts.	Fullsong Kanary Kit—contains Seed, Gravel Health Food, Bitters, Treat Dish and Seed Gong, 75 cts.
Fullsong Oil Tonic, 25 cts.	

Add Postage When Ordering

DU BAY SEED DISINFECTANTS

Increase Crop Profits

Reduce Disease Losses



NEW IMPROVED CERESAN

Effective against bunt or stinking smut of wheat; loose and covered oats smuts; black loose smut, covered smut and stripe of barley; kernel smuts of sorghums; and seedling blight. Prices: 1 lb. 70 cts., 5 lbs. \$3.00.



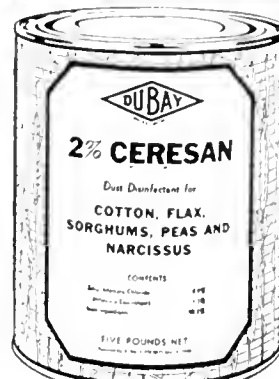
NEW IMPROVED SEMESAN BEL

Quick dip treatment; effective against seed-borne scab and Rhizoctonia. Costs only 1½ cts. to 3 cts. a bushel. Prices: 4 oz. 45 cts., 1 lb. \$1.50, 5 lbs. \$6.75, 25 lbs. \$31.00.



NEW IMPROVED SEMESAN JR.

Easy dust treatment; protects seed against rotting; improves stands; reduces seedling blight and increases yields. Average increase, 4 bushels per acre. Prices: 2 oz. 15 cts., 4 oz. 30 cts., 1 lb. 75 cts., 5 lbs. \$3.25.



2% CERESAN

Treats flax, millet, peas and narcissus bulbs. Reduces seed decay and increases stands and yields. Prices: 1 lb. 70 cts., 5 lbs. \$3.00, 25 lbs. \$12.75.

SEMESAN controls many seed-borne diseases, reduces seed decay of vegetable and flower seeds at the amazingly low cost of only ¼c to 1c a pound. Also valuable for watering the seed bed or flats to control damping-off. Prices: 1/3 oz., 10c; 2 oz., 35c; 1 lb., \$2.25; 5 lbs., \$9.90.

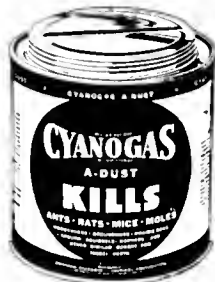
NU-GREEN to control Brown Patch on turf of low fertility. Prices: 3 oz., 35c; 1 lb., \$1.45; 5 lb., \$6.30; 25 lb., \$29.00; 100 lb. \$109.45.

SPECIAL SEMESAN to prevent and control Brown Patch. Prices: 5 lb. tin \$7.00; 25 lb. pail \$33.00; 100 lb. drum \$122.85.

FREE:

Booklets on all Du Bay Seed Disinfectants on request.

TREAT SEEDS EVERY YEAR -IT PAYS



ANTS: Simply enlarge entrances of nest with long-shank screwdriver or pointed stick. Adjust spout of can and allow a small amount of Cyanogas to flow into the enlarged hole. The worker ants and Queen are killed immediately with Cyanogas. Special 4-Oz. Ant Container 30 cts.

MOLES: Open up runways every 10 to 20 feet, and blow Cyanogas A-Dust in both directions with a duster. 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$25.00.

WOODCHUCKS: Are very susceptible to the gas liberated by Cyanogas A-Dust, and only one whiff is required to kill them. Place one tablespoonful of Cyanogas as far down the burrow as possible. Use long-handle spoon. Upset Cyanogas in a small pile. Close entrances tightly with up-turned sod. 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$25.00.

RATS: Cyanogas is not a bait! It is different! Simply pump it into rat burrows or hideouts, it seeks the rats and kills them instantly. 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$25.00.

GREENHOUSE PESTS: Cyanogas G-Fumigant, when exposed to air gives off a gas destructive to all plant insects. It is the most generally used insecticide in greenhouses. It is the most economical of all greenhouse insecticides, and is completely effective and very easy to use. 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$25.00.

OTHER PESTS: Such as fleas, bees, bats, squash bugs, cucumber beetles, termites, etc., are easily controlled with Cyanogas. Leaflets containing instructions on the control of practically all pests are available.

Planet Jr. Farm and Garden Tools have been on the market for sixty years and are favorably known throughout the world. Made by experienced manufacturers who are experienced farmers and gardeners as well, so the design of each tool is right up-to-the-minute. They are specialized tools made by specialists in the farm machinery manufacturing business, and will be giving you A No. 1 service long after you have forgotten their initial cost.

Planet Jr.

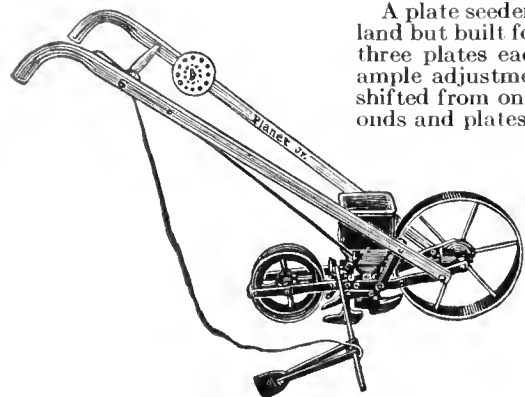
Seeds, no matter how good cannot grow without proper care. Plant them at the proper depth and properly spaced in narrow rows. Keep the ground loosened up around your growing plants, to retain the moisture, and above all kill the weeds before they get a start. The best gardeners are only satisfied with the best equipment. Planet Jr. Garden Tools have been leaders in this field and favorites with fussy gardeners all over the world for more than sixty years. Send for complete Planet Jr. catalogue.

No. 300 A Drill Seeder, \$20.00

No. 300 A PLANET JR. DRILL SEEDER

A plate seeder originally designed for use on muck land but built for service in light or heavy soil. Only three plates each one with thirteen holes, making ample adjustment for various seeds. Plates can be shifted from one hole to another in a couple of seconds and plates changed in a minute or so. Hopper holds four quarts and is removable which makes easy filling and emptying.

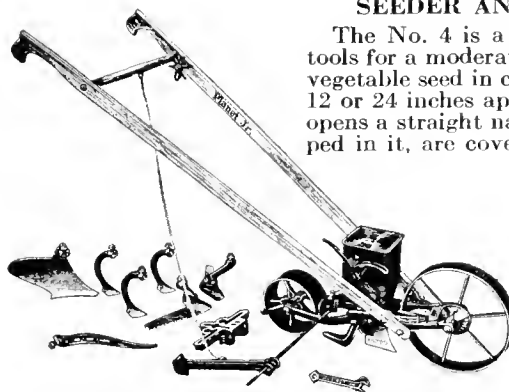
No. 320 Fertilizer Attachment fits this machine, \$14.75.



No. 4. Seeder and Single Wheel Hoe

No. 4 COMBINED HILL AND DRILL SEEDER AND SINGLE WHEEL HOE

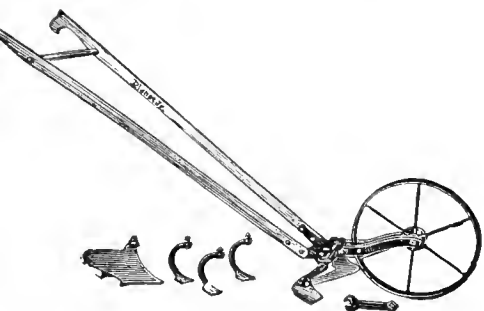
The No. 4 is a combination of the most useful tools for a moderate sized garden. Plants almost all vegetable seed in continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. A plow adjustable for depth opens a straight narrow furrow, the seeds are dropped in it, are covered and the soil firmed and the next row marked out all in the same operation. Converted into a Single Wheel Hoe by changing one bolt. Cultivating equipment includes all the essential equipment for hoeing, weeding, cultivating, plowing, furrowing, ridging, etc. The tools are oil hardened and tempered and will wear almost indefinitely, \$18.75.



No. 17 Single Wheel Hoe, \$7.75

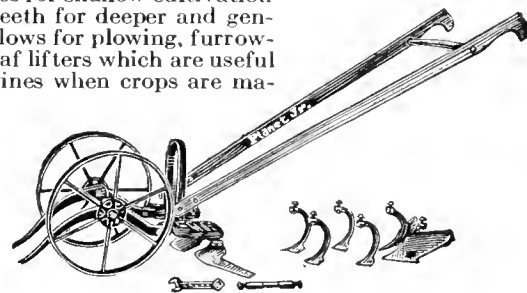
No. 17 PLANET JR. SINGLE WHEEL HOE

Very popular because equipment includes just the attachments needed in the average garden. A pair of 6 inch hoes for weeding and shallow cultivation, three cultivator teeth for deeper and general cultivation and a plow with landside for hilling, furrowing, ridging and plowing. Light and easy to handle. All steel—unbreakable, \$7.75.



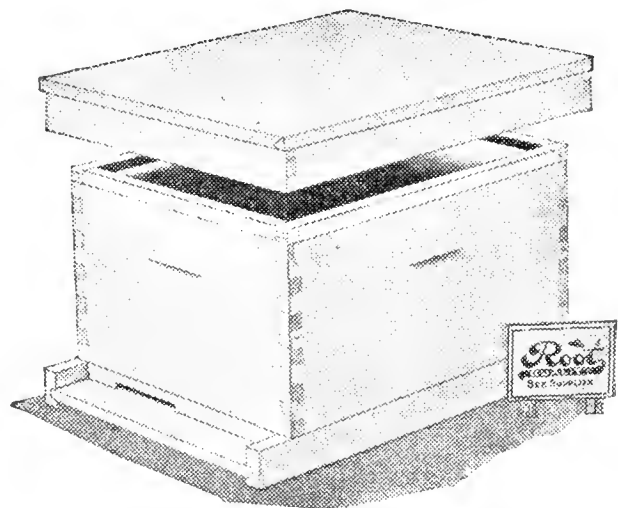
No. 12 DOUBLE AND SINGLE WHEEL HOE

Equipment includes attachments needed in the average garden. One pair 6 inch hoes for shallow cultivation and weeding, four cultivator teeth for deeper and general cultivation and a pair of plows for plowing, furrowing and ridging and a pair of leaf lifters which are useful in protecting the leaves and vines when crops are maturing. As a Double Wheel Hoe it will straddle crops 20 inches high, cultivating both sides at once. Easily changed to a Single Wheel Hoe for working between rows. Made entirely of steel and practically indestructible. Price \$11.50.



ROOT QUALITY BEE SUPPLIES

We carry this wonderful line of bee supplies and can guarantee satisfaction or your money back. The Root company is the recognized leader in this line of manufacture. We will gladly mail a 64 page catalog containing a number of pages of helpful information. Every article has been carefully tested over a number of years in the bee yards. The slogan of this 69 year old company is "Best By The Bee Test."



One 10 FR. Standard Hive K.D. with frames, metal cover.....	\$3.50
Five 10 FR. Standard Hives K.D. with frames, metal covers.....	14.80
One 10 FR. Hive Body K.D. without frames.....	.90
Five 10 FR. Hive Body K.D. without frames.....	3.70
10 Standard Frames, full depth.....	.75
100 Standard Frames, full depth.....	5.40
100 Beeway Sections, 4 1/4 x 4 1/4 x 1 7/8.....	1.30
500 Beeway Sections, 4 1/4 x 4 1/4 x 1 7/8.....	6.00

10 Sheets, 3-Ply Foundation, size 8 x 16 3/4 inches.....	\$.95
50 Sheets, 3-Ply Foundation, size 8 x 16 3/4 inches.....	4.50
1 Lb. Thin Super Foundation.....	.75
5 Lbs. Thin Super Foundation.....	3.50
1 Standard Smoker.....	1.00
1 Indestructible Bee Veil.....	.75
"Starting Right with Bees" (book, 98 pages, 184 illustrations).....	.50

WRITE FOR FREE 64 PAGE CATALOGUE ON BEE SUPPLIES

SPRAYERS



NO. 4 and NO. 3 OPEN-HED SPRAYER

Pump cylinder is 2" diameter seamless brass, 14" long and screws into Sprayer top so that pump is one complete unit. Pump is quickly and easily locked in two movements; first, a twist of the wrist to lock it in place; second, locking lever is pushed down to compress gasket. Plunger is heavy steel with double rubber grip handle so that both hands may be used to pump up pressure. This locking device is absolutely safe and is the quickest and easiest lock ever introduced.

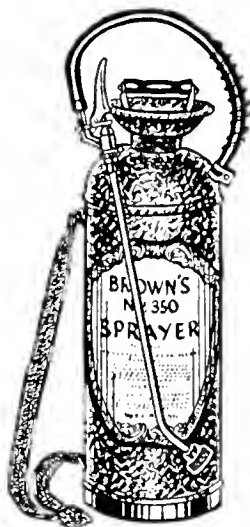
No. D Open-Hed Galvanized Tank.....\$ 5.00
No. 4B Open-Hed Brass Tank..... 8.00

NO. 250 FUNNEL-TOP SPRAYER

Pump is seamless brass, 1 3/4" in diameter with brass check valve.

This Sprayer is equipped with all-metal ground valve, automatic shut-off with solid brass plunger and 18" seamless brass angle extension and screen non-clog nozzle.

No. 250D 2 1/2 gal. Galvanized Tank.....\$3.95
No. 250B 2 1/2 gal. Brass Tank... 6.50



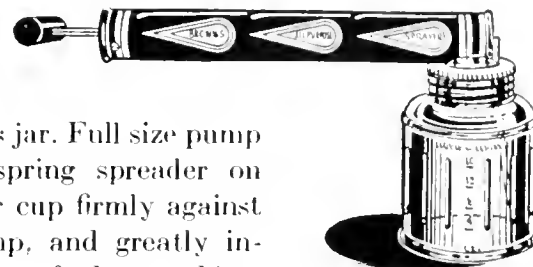
CRYSTAL DUSTER

A highly efficient Duster adapted to the widest variety of uses, having a glass dust chamber, resistant to the destructive effects of disinfectant and insecticide powders.

Crystal Duster.....\$1.25

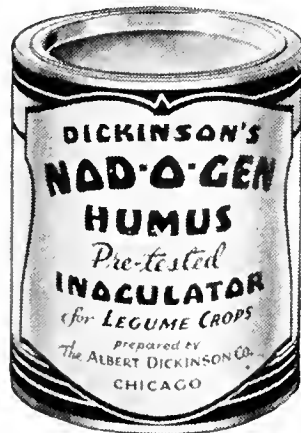
NO. 16SR SPRAYER

A durable single-action Sprayer with lithographed tin pump and quart glass jar. Full size pump and patented coil spring spreader on plunger holds leather cup firmly against the side of the pump, and greatly increases the efficiency of the machine.



No. 16 SR 1 qt. Tin Pump Glass Jar.....\$.35
No. 14 1 qt. all Tin..... .40
No. 335 1 qt. Brass Pump Copper Tank..... 1.95
No. 325 1 qt. Tin Pump Copper Tank..... 1.25
No. 26BG 1 qt. Tin Pump Glass Tank..... 1.20

Here's Why NOD-O-GEN PAYS!



Seeds of legumes (see list below) inoculated with NOD-O-GEN:

1. Produce bigger crops.
2. Build up the soil.
3. Make richer feed.
4. Take nitrogen—the most expensive fertilizer—from the air.
5. Improve crop quality.
6. Pay biggest returns on money spent.

NOD-O-GEN, the pre-tested inoculator, costs only a few cents an acre. Pays bigger dividends than money spent any other way. Seed can be very easily treated. Plain, brief directions on every container. Pre-tested to insure presence of billions of proper "bugs." Stands high in experiment station tests.

PRICES

For small seeds, such as alfalfa, all clovers and lespedeza:

1/2 bu.....30c 2 1/2 bu.....75c
1 bu.....45c 5 bu.....\$1.15

For large seeds, such as soy beans, all peas, beans, vetches, cow peas, peanuts, etc.:

1 bu.....30c 5 bu.....75c
2 bu.....45c 10 bu.....\$1.15
25 bu.....\$2.00

Garden combination for peas, sweet peas, all garden and lima beans and lupine; sufficient for about 5 lbs. of seed.....10c
Be Sure to specify for what seeds cultures are required.

NOD-O-GEN

The Pre - Tested Inoculator



ROSES Do Best When Fed with VIGORO Complete Plant Food

1-lb. pkg.....\$.10
5-lb. pkg..... .45
10-lb. pkg..... .85
25-lb. bag..... 1.50
50-lb. bag..... 2.50
100-lb. bag..... 4.00



ROSE CULTURE

A fungicide, insecticide and plant stimulant all in one spray

Roses that are permitted to become afflicted with insects and fungus diseases will lose their vitality and will not yield beautiful blooms.

If your roses have the scientific protection of TRI-OGEN, neither insects nor the dreaded Black Spot or Mildew will harm or defoliate them.

TRI-OGEN not only protects roses against all fungus diseases and insect pests, but it stimulates vigorous plant growth and assures healthy green foliage and luxuriant blooms.

... it is the most revolutionary discovery ever made in the history of rose culture. It is the most highly recommended product of its kind.

TRI-OGEN PROTECTION IS COMPLETE. No other spray is required. Therefore, it has been found to be the most economical spray for roses. Moreover, it is a great labor saver.

PRICES

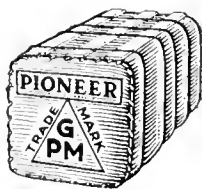
A. Small Kit (makes 16 quarts)..... \$1.50
B. Medium Kit (makes 64 quarts).... 4.00
C. Large Kit (makes 32 gallons)..... 6.00
D. Estate Kit (makes 128 gallons).... 20.00

A Product of OGEN Laboratories and Experimental Gardens

TRI-OGEN

Reg. U. S. Pat. Off.
The all-purpose spray

GPM PEAT MOSS



The finest quality horticultural peat moss (100% sphagnum moss). A marvelous soil conditioner that assures better germination and growth. Breaks up hard clay soils and gives body to loose sandy soils. Supplies humus to the soil, and its millions of tiny sponge-like cells store up moisture and plant food for full use of plants. For best results, mix well-moistened GPM Peat Moss with the soil before you do any planting. Also use GPM for summer and winter mulching. In 20 bushel pressure-packed bales. Single bales only \$3.50, delivered.

SORBEX

A pulverized, highly absorbent moss peat of exceptional quality, quickly available as humus. Unequalled for seed flats, cold frames and potted plants, where fine root development lessens transplanting losses. Excellent for top dressing lawns, golf course greens, etc. In 10 bushel bags. Single bags only \$2.50 delivered.

OK POULTRY LITTER

This amazing "double-duty" litter keeps houses sanitary, warm and free from dampness, is non-inflammable, lasts longer, saves disagreeable clean-outs—and then, as manured litter, provides an excellent fertilizer for your garden. Use OK in laying houses and brooders. Fine for both hens and chicks. In 20 bushel pressure-packed bales. Single bales only \$3.00, delivered.

AUXILIN

The Miracle Root Grower

REAL ROOTS FROM CUTTINGS Faster-Surer-Cheaper

Auxilin is a hetero-auxin, with Indolebutyric acid its active ingredient—that actually induces roots to grow on cuttings, from plants, shrubs and trees! It grows roots on cuttings that even professional growers find difficult and often impossible to root normally. See actual photograph of American Holly (*Ilex*) roots in 6 weeks. Auxilin treated cuttings develop more roots over wider area of stem tissue and base. (Roses, including hybrids, average 75 roots per cutting in 2-3 weeks!) Faster growth, sturdier roots, healthier plants, more profuse blooming. Less disease. No special tools needed. Complete with graduated phial and full directions.



1/16 oz. 50 cts., Will treat up to 600 cuttings.

1/2 oz. \$1. Will treat up to 1,800 cuttings.

3 1/2 oz. \$6. Will treat up to 12,000 cuttings.

8 oz. \$12. Will treat up to 30,000 cuttings.

Manufactured
by



Pennsylvania
Chemical Corp.

We recommend SACCO



A complete Plant Food. Grows finer flowers—thicker, more luxuriant lawns—better vegetables, trees and shrubs.

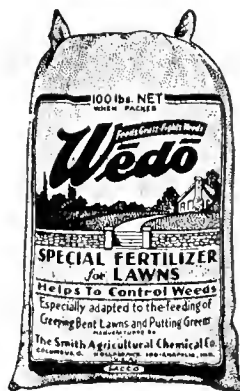
Produces quick, sure results. Used by leading commercial growers everywhere.

"Makes Things Grow"

See page 41 for prices.

Feeds Grass—Fights Weeds WEDO

*Special Fertilizer
for Lawns—Grows
Grass Thicker, Greener*

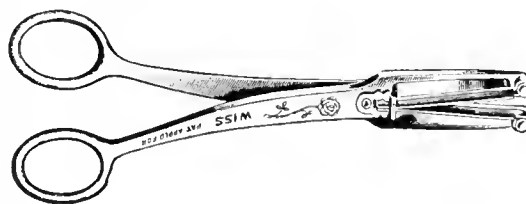


The finest fertilizer for building new lawns or bringing thicker, more luxuriant beauty to old lawns. Literally chokes out weeds by promoting both root and top growth. Endorsed by experts. Use WEDO for best results.

Use only 1 1/2 lbs. per hundred square feet.

See page 41 for prices.

FLOWER HOLDER SHEARS

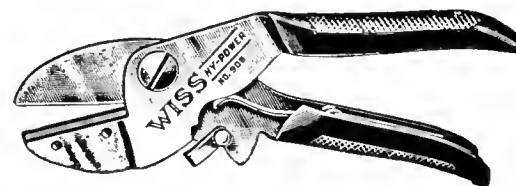


Cuts and holds roses and other flowers direct from bush without injuring or crushing stem.

Nickel \$1.00.
Chrome \$1.50.

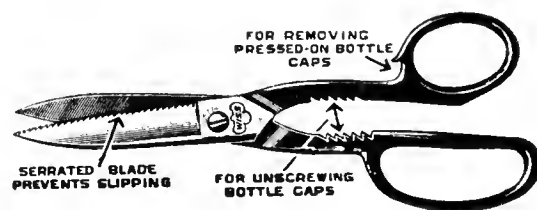
HY-POWER PRUNER

The Easiest
Cutting Pruner
of its Size



Oversize hardened steel bolt and nut gives longer wearing qualities. \$2.20.

KITCHEN SHEARS



Better than any knife for preparing fruits, salads, fish—trimming meats, etc. The serrated blade prevents objects slipping while being cut. \$1.25.

The Care and Feeding of Birds



The proper care and feeding of birds is simple, and if followed, you will have little difficulty in raising a choice singer. Beware of stale seed or seed having a musty odor. It will upset the entire intestinal tract and often throws your bird out of song for months, besides often causing baldness. Purchase your bird seed where you are sure to have it fresh. Use Fullsong Mixed Bird Seed, it is scientifically mixed to give the bird the variety of clean fresh seeds that is necessary to the health and happiness of canaries.

In order to digest his food properly, the canary should also have access to clean grit and gravel to grind his food, sweeten contents of the stomach, and supply necessary minerals.

Fresh, clean water is very essential to the well being of a canary. The bird should be given clean water in a clean water dish every day.

Many canaries are killed or caused to lose their song by over-feeding on tid-bits such as sweets or pastry, which are

not good for seed-eating birds. While some people advocate the feeding of green stuff to canaries, we have found that more often than not this is injurious as usually the bird is allowed to have too much. Fullsong Mixed Bird Seed is a sufficient and well-balanced diet for canaries, without the use of these often injurious tid-bits.

As treats for canaries we advise some of the foods which we will describe later. These are made from different seeds which make up the canary's normal diet, but give him a little more variety than can be had in a mixed bird seed. Some of these have distinct medicinal properties and are used in treating various ailments to which canaries are subject.

Several times a week a canary should be allowed to bathe in a dish of clean water from which the chill has been removed and to which Antiseptic Wash has been added.

Never permit him to hang in the kitchen, as the steam from the cooking will cause him to take cold, and his song will stop indefinitely. Do not place the cage close to the cold, frosty window for he will become chilled and this checks his singing for a time. Hang it at one side of the window so that he does not come in direct contact with the glass. Your bird will stand considerable cold if there is no draught, but he cannot stand much heat or smoke; it quickly overcomes him.

IMPORTANT—The Ideal Diet for all Canaries: One seed dish full of FULLSONG BIRD SEED, one tonic dish full of Fullsong Health Food, and fifteen drops of Fullsong Bird Bitters in a water cup full of clean water each day. This diet with Fullsong Gravel on the cage floor comprises the daily care we give our own birds and we have a minimum amount of sickness, with a maximum amount of song. When followed strictly the above treatment is inexpensive and requires a minimum amount of time and labor.

See List of Products on page 46.



4 oz. 35 cts., 1 lb.
90 cts., 5 lbs. \$4.00.

The Standard Red Copper Oxide

CUPROCIDE

Cuprocide protects seeds from damping-off in the ground, prevents seedlings from damping-off above the ground. Use Cuprocide as a dust on seeds and as a spray on plant-bed soil and seedlings. Price:



ANTROL
KILLS ANTS
IN THEIR NEST

A SCIENTIFIC METHOD, SAFE, SURE,
PERMANENT

Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent relief. Controls both sweet and grease-eating ants. Guaranteed. Proved in over a million homes. Prices: Antrol Ready-filled Set, containing 4 filled feeders, 40 cts.; Antrol Regular Set, 4 containers and 4-oz. bottle syrup—enough for two fillings, 75c cts.; Antrol Syrup for Refilling, 4-oz. bottle, 35 cts. Pint bottle 85 cts.

Safe to Use Around Children and Pets
Can be used inside or outside the house.

STANLEY'S CROW REPELLENT

PROTECTS YOUR
SEED CORN



from Crows, Pheasants, Blackbirds, Larks, and all other corn-pulling birds and animal pests, such as Moles, Gophers, Woodchucks, Squirrels, etc.

(1 Quart) enough for 4 bushels seed \$1.75
(1 Pint) enough for 2 bushels seed... 1.00
(1½ Pint) enough for 1 bushel seed)... .60

SCALECIDE

—THE COMPLETE DORMANT SPRAY—

SCALECIDE—the quality miscible oil. Oldest and best known dormant or delayed dormant spray for fruit trees and ornamentals. Easy and pleasant to use. Use 1 to 15 for peaches and other stone fruits use as a dormant spray 1 to 11 for all deciduous trees, 1 to 20 for evergreens.

It is a complete dormant spray. Invigorates and kills insects. Fall spraying controls—scale, peach leaf curl, pear psylla, bud moth case bearer, etc. Spring spraying controls—scale, red mite, aphid, red bug, tent caterpillar, leaf miner, case bearer, etc.

Price: Qt. 65 cts., gal. \$1.55, 15 gal. drum \$11.25, 50 gal. drum \$26.00.



FARM MACHINERY REPAIRS

We Carry a Complete Line of Repair Parts for

Oliver, John Deere, Massey Harris, McCormick-Deering and Osborne Farm
Machinery, Plow Points, Links, Shoes, Sections, Guards, Bolts,
Canvas, Reels, Knife Bars, Knife Heads,
Runners and Many Other Items
Try Our Service

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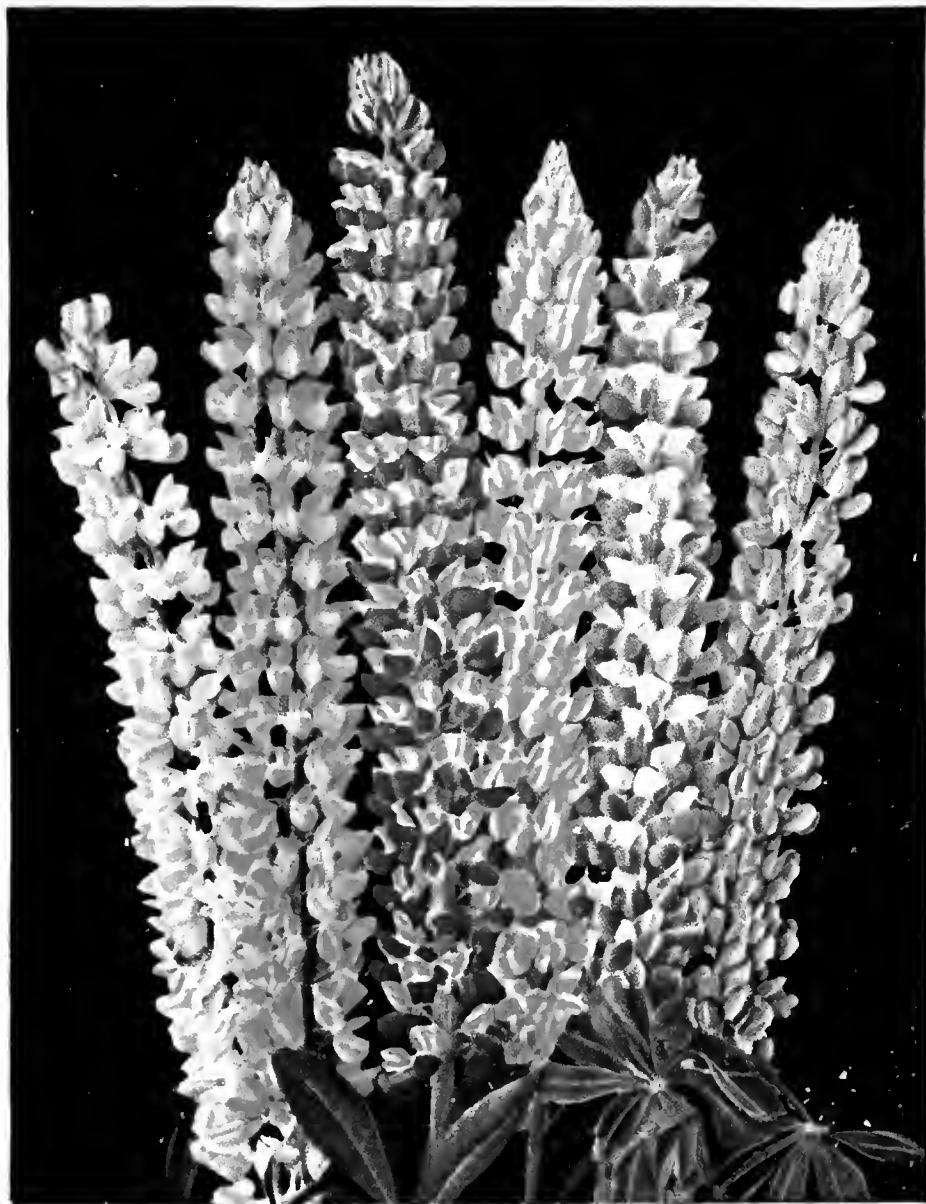
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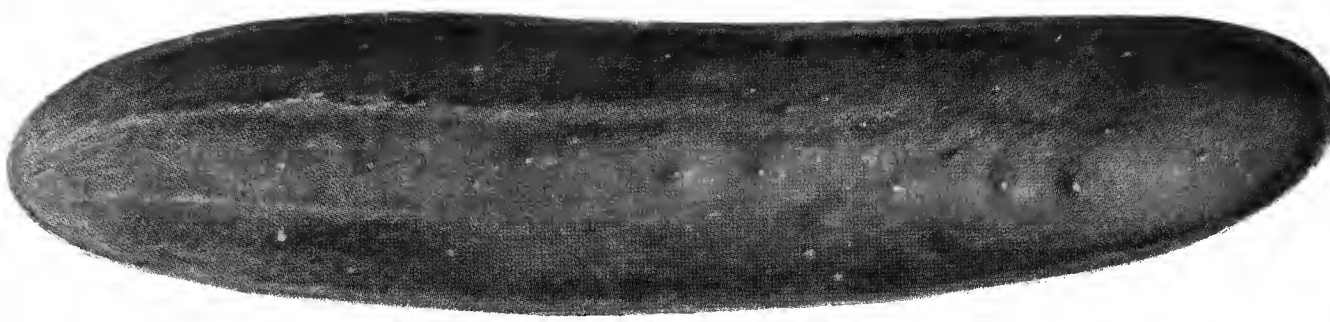
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Dixie Sunrise Marigold

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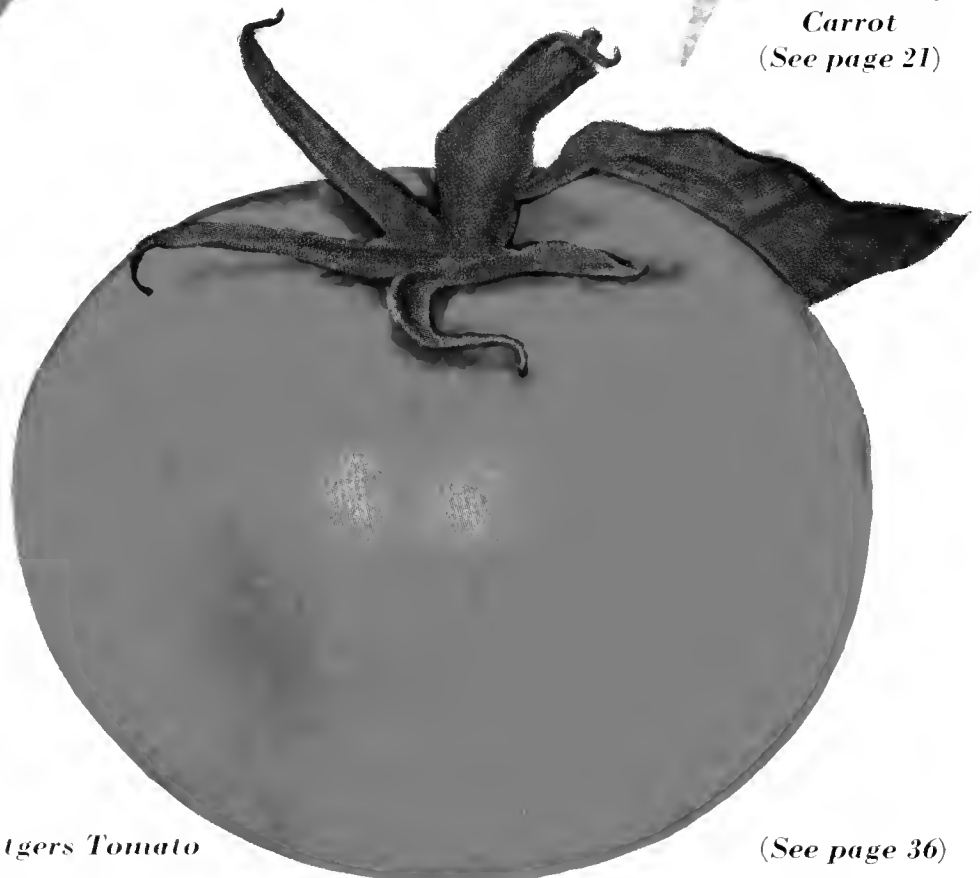
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